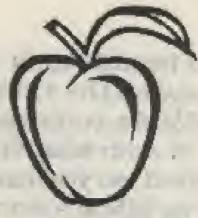


Apple Slices

January 1990



A bi-monthly Newsletter from Apple2000 • Tenth Anniversary 1980-1990

Issue 15

Into the 1990's

With Christmas now just a faint memory, and the pine needles finally cleared from the keyboard, we can now look forward to the last decade of the twentieth century.

Just as the 80's were undoubtedly dominated by the introduction of the micro, the 90's will surely prove to be the years when the personal computing workstation became as commonplace as the telephone or motor car. Many traditional processes have already been changed irreversibly, this trend can only continue.

BASUG was started ten years ago by a small band of enthusiasts using the Apple II computer for business and education. We enter the 90's renamed as Apple2000 and with a membership covering many disciplines. Over half of our members use Macintosh computers and cover a wide range from DTP to the music industry. The rest of our membership are using Apple II computers of one form or another.

In thanking all those who have helped to run Apple2000 over the last decade, we must not forget that it is the many activities and the input of its members which makes Apple2000 continue to grow so strongly.

BASUG was renamed Apple2000 in the spirit of taking the Apple into the new century. We shall be with you for at least the next ten years. We hope that you too will still be members of Apple2000 as we ring in the New Year of 2000.

Special Interest Groups

A number of you have asked us if we have special interest groups in Apple2000. As Apple2000 is itself a special interest group embracing all of the Apple computers we have not divided it up further.

We have members who have only an Apple II or a Macintosh, and some who have both machines. We have members who have only a single interest and some who have many. We try to help all our members in whatever way we can whatever their interests.

As we are a small and select group of enthusiasts giving up our own time to make Apple2000 work, it is just not possible to co-ordinate special interest groups in any formal way. We have asked in the past for more volunteers to help in the running of the group, and we have asked for people willing to take on specialist subject areas.

If you think you could help, or would like to put yourself forward as a SIG co-ordinator, please write to the SIG Editor at the PO Box in Liverpool. Give full details including the area which you specialise, name, address and contact phone number.

New Beagle Buddy

The Beagle Buddy plan is an excellent way of getting your TimeOut updates and other Beagle updates quickly and easily. A Beagle Buddy is a volunteer who acts for Beagle Bros. and who supplies updates as they become available to owners of Beagle products. He does not supply the original products for which you should contact your dealer in the normal way.

Until recently Jon Gurr of MGA Softcat was the main contact in the UK. Now we have Ken Dawson of the North West Apple Computer Club joining the ranks of Beagle Buddies.

To find out more about Beagle updates, phone Ken on 051-424-8974. Ken will arrange with you to send him your original disks for updating. He does not like to write over the original disks themselves, so you will need also to send him a blank for the update. The original must of course be sent for verification purposes.

He charges £2 plus postage for an update, if you do not have a blank disk he can supply one at extra cost. The charge includes notification of the next upgrade, and as Ken keeps details of who owns what, you will not need to send your original disks for verification the second time round.

Memory Upgrades

However much memory you have in your computer, it always seems as though you need to have more. Some of the programs now appearing are extremely hungry for memory. AppleWorks IIgs for instance prefers 3mb and Omnipage on the Macintosh will not work with less than 4mb. When you consider that system files may take up some of your existing memory for their own use, you can see that what is left can be spread thinly on the ground!

The Macintosh is advertised as being upgradeable. In the case of a MacPlus or SE with only four SIMM connectors it can be expanded to 4mb by plugging in 1mb SIMM modules. The Macintosh II series and the SE/30 both with eight connectors can be expanded to 8mb. It is a fairly simple job to fit new SIMM's, but without Technical note #176 to hand, I would suggest that you get your dealer to do it.

Memory prices are at last falling and it is tempting to expand your system. However, it may cost you more than you think. Depending on the configuration fitted by Apple in the first place, you may or may not have empty connectors waiting to be filled!

The MacPlus and SE if fitted with 1mb of memory, will undoubtedly have these fitted as four 256k SIMM's. You will have to remove the existing memory

to be able to fit a couple of 1mb SIMM's to expand beyond the 1mb stage. If you keep two of your 256k SIMM's you can actually expand to 2.5mb.

A 2mb MacPlus or SE will have two 1mb SIMM's fitted, so you can expand to 4mb with only a further two SIMM's and not have to throw anything away. The golden rule is that you must have either two or four of the connectors filled.

On the Mac II series and the SE/30 things may be not quite as simple as you think. With eight connectors and in its basic configuration of 2mb, you would expect two 1mb SIMM's in two of the connectors. However both these machines use the eight connectors laid out as two banks. You must have a bank completely full of SIMM's, either with 256k or 1mb SIMM's. These means that a 2mb minimum memory machine will actually have eight 256k SIMM's fitted. To expand this you must buy four SIMM's to fit in one of the two banks. You can leave four of the 256k SIMM's and end up with 5mb, but you must completely fill one or both of the banks.

As you can see, it may well cost you double what you thought to actually expand by the small amount of 2mb. As chip prices fall, the secondhand market is now almost non-existent for the redundant 256k SIMM's. Your only hope is to find an owner of a Mac II or SE/30 who would like another megabyte in his 4mb machine!

The Lisa gets a SCSI port

The Lisa, that venerable forerunner of the Macintosh, is still in great demand. However the machine available today bears little relation to its former self. A typical Lisa/XL will now have an 800k 3.5 drive, 2mb of memory and a SCSI interface. It will be fully compatible with Macintosh software and may well have been bought 'as new' in this configuration, or upgraded from its original condition.

For some time now Sun Remarketing have been making available new and reconditioned Lisa computers through various outlets. They have been continuing to develop new products and interface existing Macintosh devices and software to the Lisa.

The two latest expansion products for the Lisa are a SCSI card and a RAM expansion board. The SCSI card just plugs into one of the expansion slots, and the 2mb Ram board replaces one of the 512k memory boards.

With a SCSI card fitted the whole world of SCSI opens up. Hard drives, tape streamers and even a colour display are all possible on the SCSI bus.

The new ScuzzyGraph colour adaptor not only fits the Lisa, but will fit any MacPlus or SE as well. It allows the use of colour monitors ranging from the Apple color monitor to large screen monitors of up to 1280 x 1024 pixels. The device gives 8 colours and is compatible with existing software.

For more information on any of these products, contact:

Mark John Townsend
MacSolutions UK Limited
Carlton Street
Bradford
West Yorkshire BD7 1DA
(0274) 394636

AppleXtras

The AppleXtras bandwagon is rolling fast. Many of you have decided to subscribe to this new 'value added' service from Apple2000. For less than the price of five disks from the library, you will receive automatically with each issue of Apple2000 magazine, a disk full of the latest Public Domain and ShareWare goodies. This not only saves you ordering time but saves you money as well.

It is not too late for those who have not yet subscribed to get your order placed for AppleXtras disks. Send £20 for the AppleXtras subscription. Please state whether you would like the Apple II 5.25 ProDOS disk, the IIgs 3.5 disk or the Macintosh 3.5 disk. Full details of the offer are to be found on page 50 of the December magazine.

AppleXtras

Many of you have asked what will be included on the AppleXtras disks.

The latest material to become available to the librarians will be included on the disks. Appropriate disk tools will be provided if needed, to allow you to use the files quickly and easily.

A description of each disk and its files will be published in the accompanying issue of the Apple2000 magazine.

- The ProDOS 5.25 disk will include programs for the Apple //e and the IIc. Many of these programs will also run on the Apple II Europlus.
- The IIgs 3.5 disk will include Apple IIgs specific material as well as that issued on the ProDOS 5.25 disk. A folder of standard tools will be included on each disk.
- The Macintosh disk will include a mixture of material for the Macintosh Plus, SE and Macintosh II computers. Utilities, Init's and Hyperstacks will all be included as and when they become available.

Please refer to the notes on the front page of the library catalog for full details of how to use the software on these disks.

Public Domain material may be freely used, but remember that ShareWare material may only be sampled. To legally use ShareWare software, you must send the ShareWare fee to the author at the address displayed within the program. This is the responsibility of you as the end user to see that the ShareWare fee is paid.

AppleXtras

Letter Box

Wardrobe
Chariot

Dear Apple2000,

I thought I would say a few things about myself. I have been involved in Apple II computing since about 1981 both in my employment and as a hobbyist.

At work, which is a Physical Chemistry Lab, we are still using Apple II GS (10) for collecting and processing data and while they perform very well we have had to bow to corporate pressures. So unfortunately we are starting to replace them with IBM's. This is partly to be blamed on the way Apple has gone with the Apple II.

I myself started with a II Europlus progressed to a IIe and now have a II GS which is equipped with 90 mb of hard disks (home built), a 2 mb Cirtech Card, PC Transporter and a modem. My three children have II GS which they have found very useful for their studies.

I have no intention of giving up my interest in the Apple as a hobbyist (in spite of Apple !!!). Since I purchased my first, I have been an active member of The North West Apple Computer Club, and I am at present Secretary & Librarian. For your records we now meet on the 2nd Thursday of the month at the Coachmans which is on the A49 about 1 mile south of the junction with the M62. We endeavour to cater for all varieties of Apple computers.

As you know I am a Beagle Buddy which means I can provide updates to people who have TimeOut originals. Although I was sponsored by the above club my services are available to anyone. I have had one request from a person in France referred to me by Beagle Bros.

I hope to be an active member within Apple 2000 and as a start Ewen says he will publish details of the 'Beagle Buddy' in the next 'Apple Slices'. He has already referred people to me.

K. J. Dawson

As you will see from the front page of Apple Slices I have already told everyone about you being a Beagle Buddy.

We would be interested to hear details of how you built your own hard drive system. This is a special interest for Apple II users as they are often having to do things on a tight shoestring!

Ewen Wannop

Wardrobe
Chariot

Re: AppleWorks 3.0

Dear Sirs,

The article which appeared in the August issue of Apple 2000 on the latest version of AppleWorks must

have whet many readers appetites. I had already seen these details in A2-Central, and the July issue which contained the review also had an upgrade offer, especially attractive if you could produce the an original AppleWorks disc. I duly sent off my disc and waited. The next issue of A2-Central contained an apology that the offer had been premature: followed by news that the offer only applied to the U.S.A.!

Being fortunate in having an office in New York, I was finally able to persuade Claris to deliver there and via a regular courier version 3.0 finally arrived on my desk. Since I must be one of the first in the UK to be lucky enough to try it, I thought members might like to have some early impressions.

The extra features make a good program first class. They are all listed in the article; they seem so much the extensions we have all wanted that you hardly realise they were not always there. The old familiar 'feel' of AppleWorks is unchanged. If you do not use the new features there is hardly any change in using the program. The path navigation with open apple keys saves all that tedious pathname typing.

An important feature for UK uses I have not seen mentioned elsewhere. Part of the new Configuration Menu is the selection of a date format, which in the manual is only claimed for the Wordprocessor and Database. If DD Mon YYYY or DD/MM/YY is chosen the date on the disc catalogues will no longer be in American MM/DD/YY format but all your Apple-Works data discs will be dated as DD/MM/YY in the catalogue listing!

The new spreadsheet functions now seem to match my Supercalc 3A, except for date manipulation. The new logical functions hold out exciting possibilities, although I have not had time to try any yet. The new database multiple record layout horizontal scroll feature and title locking mean that I have been able to reconsider how some of my database files are constructed.

So what are the disappointments?

First the disc swapping if like me you are using 128K. There is a startup disc, which as shipped is needed to do any printing at all. Or indeed even to calculate page breaks (OA-K). To return to a file one of the discs containing the Wordprocessor, Database, or Spreadsheet program discs has to be in a drive.

Loading a file from the external drive starts off from the Start Up Disc, but before the file is displayed the relevant program disc has to go into Drive 1.

There is a suggestion in the manual that you can make speciality discs of your own for a single application. Things are so tight for space on a 5.25" disc that if you have a clock.sys program on the discs there is only room to make a Database disc - the other program files are just too large. The desk top is reduced to 40K anyway. I expect that I shall be finally persuaded that I have to add more RAM memory to my IIe. I am expecting that the facility to specify how much of the program is loaded (only available with at least 320K of RAM), will mean that all modules will be available as they were in the older versions.

You will need to upgrade all the add-ons. In my case I was using AutoWorks. Many of the features which this added are included in the new versions, but I miss all my Macros for personal shortcuts. The

upgrade package I received had a half price offer for a compatible version of UltraMacros; this is already ordered! I also miss the patch I had for replaced the \$ format in the spreadsheet with a # format. A lot of disc doctor work has failed to find the right address for the change to version 3.0! Anybody got any ideas?

So far since the arrival of the new version my old AppleWorks discs have not seen light of day. But I need that extra RAM!

Harvey L Nyman

Cheshire Dogs
Cheshire Dogs

Dear Nibbler,

There seems to be worldwide confusion about where the A2-Central AppleWorks 3.0 update offer applies.

The July offer gave no geographical limits. The September issue apologised for the confusion and suggested contacting either the local Claris office or Claris Santa Clara to find out how upgrades outside USA would be handled. It also said the "no original disk" upgrade would only be available in USA, Canada and Australia. The November issue, however, says that the "no disk" offer will not be available in Australia.

The day I received the July issue with the rave review of AppleWorks 3.0 I sent in the coupon to Claris for the "no disk" upgrade, hoping that for once Apple // users outside North America would get the same treatment as users there. The September issue dashed those hopes, but as suggested I wrote to Claris Santa Clara, never having heard of a "local Claris office" this side of the Atlantic.

To my surprise and delight my upgrade arrived on October 21 from Claris Ireland! From exchanges on TABBS there are evidently others who have been lucky. I hope that by now you and all the others who took a chance on the A2-Central offer have also received their upgrades.

Peter B. Dyson

o The ways of Claris are indeed mysterious. For those who have not yet got their upgrade to AppleWorks 3.0, you can now obtain this through your usual Claris dealer here in the UK. You must send in your original AppleWorks disk and specify the disk size you require.

The upgrade price will around £75 plus VAT.

Cheshire Dogs
Cheshire Dogs

Dear Boffin.

I have recently been given an ICE Microcube 10mb hard disk with its own interface card and Housekeeper software, but without any manuals. The ICE Housekeeper software was designed for the //e and is on a 5.25" disk which is not ideal for my IIgs. I have become used to using the software and hard disk but I have found it very limiting as it will only run with ProDOS versions earlier than ProDOS 8, 16 or GS/OS. If ProDOS 8 files etc. are copied onto the hard disk it resets and returns to the User Menu when you try to access them. AppleWorks 2.1 which I have copied onto the drive, would normally use the

clock when starting up and also when saving files. I have had to use the earlier ProDOS versions as a substitute to ProDOS 8, which makes it unable to use the clock which is very inconvenient. Unfortunately ProDOS 16 and GS/OS disks which can't be substituted by earlier versions of ProDOS can not be used on the hard disk. I would be very grateful if you could suggest any software or procedure which will enable me to format it with GS/OS and/or use it with GS/OS disks and the System Software 5.0?

Jonathan Shippam

o I have commented on the ICE drives before. All the early hard drives that were available for the Apple II do not conform to the Apple Device Standard. This means that they will not be seen by ProDOS as it boots. It is possible, as you have found, to put some of the early ProDOS versions onto the drive, but with limited functions available. These drives are often very cheap on the secondhand market, but it may well prove expensive to hook them up and get them working.

I can offer no easy solution to your problems. I have asked for any information on getting these drives working with later versions of ProDOS, and apart from the Symbiotic drives, no one has been able to offer any help.

Most of these drives contain an industry standard drive inside, of the type usually fitted to IBM type computers. There are only two possible routes open to you in getting these drives working with more advanced software. Fitting a SCSI controller to the drive and connecting to a SCSI card, or hooking up the drive to the Megaboard controller. Both of these solutions are expensive, and probably not much cheaper than throwing the ICE away and actually buying or making a SCSI drive from scratch.

The Boffin

Cheshire Dogs
Cheshire Dogs

Dear Apple 2000,

Does anyone know of a programme which will analyse the word content of a document? It should be able to load a text of at least 50K and produce a list of the words in alphabetical order, showing how often each was used. It should also be able to save the listing as a word-processing file.

The programme would be used with AppleWriter on a IIe. I have a copy of Analyst, which was on the early Macroworks, but this does not cope with long texts; nor will it save the listing.

Mike Hosier

o Can anyone help on this one please? **Editor**

Le Boffin
Le Boffin
FRANCE

Apple IIgs - Missing Top Margin
Dear Apple 2000

I have an Apple II GS and an ImageWriter II. My problem is that when using word processors (Fulltext, AppleWorks and even GS/Write) the top margin is only correct for the first page printed, on

subsequent pages it is always zero. Even if one selects, say, print from page 3 - then page 3 is correct but pages 4 onwards have no top margin. Also when printing multiple copies only the first page of the first copy is correct.

The GS Control Panel Printer Port settings are the default settings.

The ImageWriter switches are set to:-

	SW1	SW2
1	Open	1 Closed
2	Open	2 Closed
3	Open	3 Open
4	Closed	4 Open
5	Open	5 (Open)
6	Closed	6 (Closed)
7	Open	
8	Open	

To the best of my knowledge SW2 5 & 6 have never been touched and I am reluctant to try altering them in case damage should occur.

I have checked the continuity of the connecting cable and that, is correct. Although I was surprised that the connections are 1 - 2, 3 - 5 and 6 - 8.

As far as I can remember I did not have this trouble with the IIe. Still having the Super Serial Card I tried this out in Slot 1 but it made no difference.

I have tried changing most of the Printer Port settings but nothing altered so far has had any effect upon the top margin.

Ron Perkins

o It seems odd that all the word processors you have tried exhibit the same effect. This can only mean that it is the hardware and not the software that is at fault. Some programs do set their own form feeds and margins, but I assume that you have tried these combinations.

If you are getting printing without losing any data after a page or so, then your cable connections are in order. Any problems here would show in missing data after the printer buffer became full.

You have tried the Super Serial card as well as the IIgs port, so it would seem that it was not the port settings that were a problem.

Switch 1-4 on the ImageWriter when closed (as you have it) sets a page length of 72 lines. If you are using normal fan fold paper, this should be open to give the usual length of 66 lines. This might well be the cause of the problem. Have you tried the two different settings of this switch?

I appeal as usual to the readers for any further help.

The Boffin



Logic Controllers) and other dedicated computers. This enables me to insert programme listings directly into technical handbooks without the use of scissors or re-typing. The problem is that a large programme has to be transferred in several chunks because a 640k IIe only uses 48k of its memory!

Also, do you know why the Microsoft Applesoft Compiler will not run under PRODOS? although I prefer to programme under DOS, I prefer to run applications under ProDOS. If anyone is interested I have patched the 'RUNTIME' library so that INPUT is effectively INPUT LINE.

Could you/have you published the format of an AppleWorks word processor file? I have my own JUKI micro-justification programme but have to remove my data from AW, copy it to DOS, do final editing with my own editor (an emulation of the TITAN/ATLAS/370 editor once common at Cambridge University) and then produce a text file containing the micro-justification commands. Operating on the AW file directly would be much easier, even if the programme ran in uncompiled BASIC.

Could you publish a Noddy understanding of PostScript (in the light of the recent non PostScript Epson laser printers in the £600 bracket)? Have you discovered that 24 pin printers get Publish It! (& presumably other graphic packages) wrong? The ESC 3 command has changed scale from 1/216 inch to 1/180 (I suspect the Epson Laser is 1/300).

We have no club here, but there is a circle of over a dozen users, 50% of which are commercial (about 6 II+, 9 //e plus my own e's and IIgs).

Dave Stewart

o OK, here goes, you have set quite a batch of questions to answer.

First of all, there is an update to Data Highway. It runs under ProDOS, uses the full 128k, has many improved features, is called Gazelle and is available from Bidmuthin Technologies. There are two versions, one for the //e and //c and one for the IIgs.

I am confused when you say that Data Highway does not use enough memory to transfer a large program in one piece. In common with all communications programs, Data Highway has powerful file transfers available. You should Xmodem files or send text files direct from disk. Your only limitation would be the size of disk. If you are using a ProDOS communications program, you have no limit to size, as you can hook up to a Ram drive or hard disk.

The Microsoft Basic Compiler will not work under ProDOS as it uses direct links into DOS and Basic within its Runtime unit. This just will not work under ProDOS as the links are simply not there. Try the Beagle Basic compiler which runs under ProDOS as an alternative.

We have not published the format of an AppleWorks file, but it is available in Apple II File Type Notes for file types \$19, \$1A and \$1B. The complete set of Apple II Technical Notes are available on IIgs library disk 2GS014. Note that changes to AppleWorks files under AW 3.0 are not included in the notes on this disk.

New notes containing this information will be placed in the library in due course.

A 'Noddy' description of PostScript is not an easy thing to do. I assume you want to write your own



Dear Ewen,

Recently I was given a couple of copies of Apple2000. Please find enclosed my cheque for £25 and count me in. I had despaired of finding an informative British Apple Mag, and have been subscribing to some produced in our ex-colonies.

With regards to 'Data Highway', is there a more recent edition that allows use of //e extended memory (or even AE RamFactor)? I use the package a lot to communicate with PLC's (Programmable

interpreter to intercept the PostScript output from a printer port. This would be a mammoth task, and I can only refer you to the three Adobe PostScript manuals available from our mail order shop. Check out the current Shop Catalog for further details and price of the manuals. These list out all the PostScript commands. PostScript is sent in standard ASCII format and you would need to use a second computer to intercept and process these commands. To give you an idea of what would be involved, the Apple LaserWriter uses a 68020 microprocessor and about 2 megabytes of RAM to process the PostScript commands. It actually has a more powerful computer inside its box than a Macintosh Plus!

If you know of a dozen Apple users in the Cambridge area, why have you not yet been in touch with the local group that already exists there? Check out the details in the back of the Apple2000 magazine, or contact Ian Archibald on 01223 311187.

The Boffin

General Information
Computers

Dear Ewen,

In answer to Christopher Beckett's question: yes, Medley does allow access to extra characters. If you press the 'OPTION' key at the same time as one of the character keys, the corresponding character from the extra character set is produced. However it's important to bear in mind that not every font contains a full set of extra characters. On my Medley disk, for example, many of the extra characters are absent from the fonts SHASTON.8 and VENICE.12, whereas TIMES.12 and HELVETICA.12 each have a full complement. In practice, keeping the OPTION key depressed while typing '#' (Shift-3) gave the '£' sign satisfactorily in the case of SHASTON.8, TIMES.12, and HELVETICA.12, but not with VENICE.12. (SHASTON.8 lacks quite a number of the extra characters, however).

I hope that these comments will be useful!

Peter Stark

General Information
Computers

Dear Sir,

The ShareWare principle is worth maintaining. However, I wonder whether others have the same experience as myself. The ShareWare requests are mostly in dollars and are mostly trivial sums. I would be quite willing to donate for those programs I use regularly. But if I want to get dollars from the bank they charge me a huge commission. (In Saudi Arabia if you change currency you don't go to a bank. You go to a Money Changer. He takes the money does a calculation from the current rate and gives you a cheque and charges a smaller fee than the British bank.) I feel unwilling to donate to the already outrageous profits of the usurers as each small donation would attract the commission.

What is needed is a central collection in this country to send on the dollars in larger sums. What do others think?

EG Matthews

6

o The question of how to pay ShareWare monies is a real problem. A central clearing house would be a grand idea, but there are severe complications to running it. Dollar rates change, software authors change address and software originates in many different countries. The administration would be a nightmare.

If dollars are unobtainable at a realistic price, why not send Sterling notes? The author can then change these himself, at least you have tried and the author gets something for his troubles! If the exchange commission is per transaction, why not buy a batch of dollars to cope with likely royalties in the future?

Another possibility is an American Express cheque, this is casheable easily around the world and is fairly easily obtainable.

Editor

General Information
Computers

Dear Sirs,

I have just become the owner of an Apple II Europlus, two disk drives, VDU screen, a Centronics printer. All appears to be working.

My problem is no instruction manuals, no disks, no computer background or training and two children who would like to work.

So please can any body help with some of my problems. Looking inside the computer there is a card with a label saying 80 column card.

Still baffled and hoping!!

T Reynolds

o The 80 column card should work with word processing software, but you may need to connect the VDU to the card instead of the usual video socket when 80 columns are selected. Test the card with a PR#3<CR> (if you have the card in Slot 3).

Manuals are a real problem these days. If anyone has any spare copies, please let us know and we can you put you in touch. Jon Gurr at MGA sometimes has old manuals available, and Eric Sausse on (0724)855795 is a source of secondhand manuals and bits and pieces of hardware.

We shall be putting the DOS master disks and other out of copyright Apple System disks into the library. Watch the February magazine for further details.

Editor

General Information
Computers

Dear Sir,

Can you please tell me if there is for the Mac a program similar to ProSel for the Apple II, such that one can copy only the new or altered files in a folder on a hard disk to a folder on a 3.5 disk.

JJ Cream

o Although Apple's own HDBackup does not write to a normal disk, nearly all of the other hard disk backup programs allow the kind of incremental backup you refer to. Check out disk 186 in the Mac library, this has several backup programs and one I am sure will fit your needs.

Editor

Lack of Memory? Dear Apple 2000

I have an Apple IIgs fitted with the Apple Memory Expansion Card giving an extra 1 megabyte of RAM. yet I am having problems with two programs - Chessmaster 2100 and VS./Draw (I believe this to be the French language version of Draw Plus) - when run under GS/OS version 4.0. I have no problems when booted by themselves.

1. After loading just GS/OS version 4.0 and entering the Control Panel/ RAM Disk the following is indicated: RAM Disk largest selectable 1024k. Total RAM in use 365k. Total free RAM 914k

2. Loading Chessmaster: By double clicking on CM 2100 Icon, Screen displays: Out of memory: 6002. Chessmaster was unable to allocate enough memory. If you have only 512k make sure no desk accessories are installed on your system. Hit RETURN to continue.

Then going to the Control Panel RAM/Disk indicates: Total RAM in use 503k. Total free RAM 776k. Incidentally hitting RETURN does not enable one to continue.

By double clicking on the ProDOS's Icon:

Before start of play Control Pane/RAM disk shows:
Total RAM In use 445k. Total free RAM 834k and after three moves: Total RAM in use 452k. Total free RAM 827k The program fails after about six moves.

3. V/S Draw: After loading and before starting to draw: Total RAM In use 524k. Total free RAM 755k

One drawing got as far as: Total RAM in use 601k. Total free RAM 678k. before all control was lost.

In an attempt to find out just where control was lost I got as far as:

Total RAM in use 623k. Total free RAM 656k and still did not lose control!

I have ordered the disks for GS/OS version 5.0 and it will be interesting to see if the apparent lack of memory still occurs.

Looking forward to your comments.

Ron Perkins

Oh dear, the only answer I can give is to just boot up from the original disks. You have had no problems running the programs with the operating system on those.

There are now many different versions of the IIgs operating system and three different System ROM's. Many programs will not work with all the different combinations of system software. Some applications fudged round bugs in the Toolbox, and when a new system is released they then refuse to work. I do not think you will have any greater success with System 5.0 (incidentally we are now up to System 5.0.2, the update will be announced in the February issue of Apple2000).

The different displays of the Control Panel/RAM Disk are just red herrings, the system is obviously thoroughly confused and is not compatible with these programs. You can try contacting the distributor of the software, there may well be an update that resolves the problem.

The Boffin

RTSS 13

(Natural Language Interaction Group. Human Factors Division)

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E-mail: rtss13@bt.com

Dear Ewen,

I belong to a group at British Telecom's research laboratories that is investigating automatic translation systems for natural languages (eg. English, French, German, etc.). For evaluative purposes, we would like to lay our hands on commercially oriented, "pocket translator" systems, such as might run on a Macintosh, or other small computer. Unfortunately, most automatic translation systems are large and heavily developmental - you can read about them in the journals, but you can't buy them in the shops.

I would be grateful for any information readers could give on the availability of "pocket translators", plus any comments and opinions.

Roy Marsh

FOR SALE

Continued from Back Page:

DFK-100 95 key detachable keyboard for Apple II+ including numeric keypad and 12 pre-programmed function keys.	£40
Microsoft 16K Language Card.	£10
MacLinker complete with pot of Black Ink	£30
PowerBase version 2.2 for the IBM Complete, never used. Reg. Card unused. (5.25" disks)	£130

All above items are plus P&P

All the following books offered @ £2 each + P&P :
CP/M: CP/M assembly Language. CP/M Basic Compiler. CP/M Handbook with MP/M. CP/M Revealed CP/M user's guide Mastering CP/M. Programming the Z80 Soul of CP/M The "C" Programming Language The "C" Puzzle Book The Programmers CP/M Handbook

Pascal: Apple Pascal Language Reference Manual. Apple Pascal Operating System Reference Manual. Doing business with Pascal. Pascal for the Apple Pascal Programming. Programming Microcomputers with Pascal.

DOS: Apple Graphics & Arcade Game Design The Power of VisiCalc. Vol I & II VisiCalc Home & Office Companion

GAMES

All Original With Manual As Appropriate		
Crossfire £3.00	Plasmanta £3.00	Enoch £3.00
Serpentine £3.00	German Whist £3.00	Snake Byte £3.00
Gorgon £3.00	Sneakers £3.00	Hadron £3.00
Space Eggs £3.00	IFR Flight Simulator £3.00	Space Quarks £3.00
Minotaur £3.00	Star Warrior £3.00	
Movie Maker £5.00	Suicide £3.00	Napoleon's Campaigns: 1813/1815 £7.00
Tawala's Last Redoubt £4.00	Outpost £3.00	Temple of Apshai £3.00
Phantoms Five £3.00	The Snapper £3.00	Pinball Arcade £3.00
VC £5.00		Phone Peter Wilson on (0395 267) 421

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Please help us to help you.
Send your advertisements to us on a
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We will return the disk, of course.
This saves us time, and avoids errors.

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disk, in Mac or Apple II text format.
We will return the disk, of course.
This saves us time, and avoids errors.

**WARNING: The sale of copied or pirated software is illegal.
Please ensure that items offered for sale are new or re-registered.**

FOR SALE

Enhanced Apple //e with 80col 128k card, accelerator card, 128k Ramcard, Epson MX80 F/T printer, medium resolution RGB monitor and two 5.25 disk drives £650 ovno

'Phone Mike Evans on 0151 427 9011

FOR SALE

Apple II EuroPlus with single disk drive, Hitachi monitor, Robo BitStik, 80 col card, Z80 card, colour + PAL card, parallel, serial and disk drive cards, languages, VisiCalc, much other software, Apple manuals and carrying case £200 ono

'Phone Graham Bryce 0151 427 9011

FOR SALE

All original software etc. most in original boxes:

Applewriter 2.0 ProDOS Version £30
Apple Pascal Version 1.2, 3 Books, 4 Disks £35
ProDOS Users Kit £15
Nightingale Modem + Serial Card + Software £35
Snapshot Copykit inc. Card £25
Copy II Plus £15
Beagle Graphics £10
Beneath Apple Dos - Book £5
Bag Of Tricks - Disk/book £5
Checker King - Game £5
Reversal - Game £5
Snack Attack - Game £5
A2 FS1 Flight Simulator £5
Apple //e Reference Manual £5
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Applesoft Reference Manuals (2) £5
Whats Where In The Apple (2 Books) £5
Or the whole lot for only £175!
'Phone Shaun Hope on: 0151 427 9011

FOR SALE

Apple //e, //c Software:

9 boxed sets Typewriter programs £5.00 each
4 boxed sets Grid Design £5.00 each
2 boxed Widespread £5.00 each
1 boxed Sign Design £5.00
Apple II or ITT Software:
S/ledger System 2 sets £8.00 each
P/ledger System 2 sets £8.00 each
Stock/control System 2 sets £8.00 each

Apple II computer:

Apple II Europlus with two 5 1/4 disc drives, extended Memory Card, Double Vision Card, 80 column Card, Profile Hard Disk, BMC Green Monitor, Paper Tiger printer, Nightingale Modem with Card, extensive software including 2 VisiCalc, Applewriter inc database

Prefer one purchaser but will split, offers to:

Richard Hodgson on 0151 421 1111 After 5.30pm

FOR SALE

Apple II Europlus (48K) + 16K Language card, 5 Mb Hard Disk, Videc 80 Col card, 2 Apple II Disk Drives, Microsoft Z80 card, Daisywheel printer + Parallel printer card, Monitor, Numeric Keypad.

A Complete Apple System for £350 ono (May Split)
Also Various bits and pieces including:

Apple II Europlus (48K) £40
ITT Disk drive (Fully Compatible) £25
AppleJuice Uninterruptable power supply £40
Prism 1000 modem & interface card £25
Screenmaster 80 Col card OK with Applwks ... £25
Various printer cards // & serial £10 - £25
IEEE 488 (HP-IB / EIC 625 / GPIB) card New. £45
Various other cards etc. including:

Z80, RGB colour, Eprom writer, 32K Language, A/D & D/A convertors, 64K Accelerator (3.6x), Disk controllers, paddles, Apple Rom,

Various Software / operating systems / manuals
OFFERS/PRICES/DETAILS from Steve Shaw:
'Phone 0151 724 9300 (0151) 724 9300 office

WANTED

ImageWriter I, in working order — instant cash!
Software which will run on a 512K Mac.
Contacts with any 512K Mac enthusiasts.

'Phone Derek Dolphin on 0111 322 6000

FOR SALE

HARDWARE:

1) CPM Gold card C/W 128K disk cache unopened in box with manuals, CBasic, CPM utils. etc.

BRAND NEW £40

2) Nestar Network I/F card C/W cables. 2 off.

OFFERS

3) 80 col card. Sup'r Terminal and manual £18

4) CPM Gold card 128K expander for cacheing

NEW £12

5) Apple II+, 2 disks+I/F, monitor plus disks £185

6) Apple //C mouse £17

SOFTWARE:

1) PFS:FILE@REPORT ProDOS ver.C/W manual

NEW £24

2) Homeword word proc. by Sierra. **NEW** .. £15

3) Apple Access II comms pack.

BRAND NEW £26

4) Jane w/p package **NEW** £16

'Phone Mark evenings on 01-561-4405

FOR SALE

ImageWriter 11 complete with Acoustic Hood and eight printer ribbons £250

800K 3.5" Disk Controller Card for 2 drives £70

Apple II+ Motherboard (populated). Not working, good for spares £10

BuzzBox V21 (300/300 baud) Modem £20

KB3000 83 key detachable keyboard for Apple II+ including numeric keypad and 10 programmable function keys £45

All above items are plus P&P **Continued on Page 7**

Apple Slices

March 1990



A bi-monthly Newsletter from Apple2000 • Tenth Anniversary 1980-1990

Issue 16

Annual General Meeting

It is time for our Annual General Meeting once again. The 1990 AGM will be held on the 28th of April at the Downside Infant School in Luton.

You will find proxy voting forms enclosed with this copy of Slices. Nominations must be submitted to the secretary 14 days before the AGM itself.

May I take this opportunity to remind you all that Apple2000 is a non-profit making group run by volunteer helpers in their spare time. At the moment we have a small and dedicated band of helpers who mastermind the magazine and other services. This means we have no one to fall back upon if one of us is unavailable for any reason.

We are always on the lookout for new helpers to add to the team. The AGM is your chance to offer your help and put something back into the Apple2000 system. We need people with all kinds of expertise. All we ask is that you are serious, committed and willing to complete any work that you might undertake or have volunteered for. If you are proficient with PageMaker and have access to a Mac and a LaserWriter then we are especially interested in you. There are many projects that we would like to undertake but just do not have the time for the present team to execute! We are often asked if we can add more services to our range. With your help we can make these ideas become realities.

Apple2000 is only as strong as the sum of its parts. We represent a large section of the Apple community and our allegiance is to you, the members. We try to provide an honest service and our only bias is in your favour. We aim to supply you with a quality not only of information but in the choice of goods from our mail order shop. Help us keep all these ideals alive by getting yourself nominated to the committee and joining the team.

I hope to meet you all in person at the AGM.

Ewen Wannop (Chairman)

is the biggest and best. Based in Columbus, Ohio in the United States, Compuserve has access points throughout the States. Until now the only way of accessing Compuserve from the UK was by using IPSS (International Packet Switchstream Service) or one of the other international telephone networks. These networks are very expensive to use and effectively inhibited all but a dedicated few from using any of the US systems such as Compuserve or BIX.

All that has now changed. It is now possible to access Compuserve from the UK for the cost of a local phone call plus £14 an hour for the connect charges and Compuserve charges through the ITEL network. This cost is regardless of the baud rate that you use. Calling the old way through IPSS, the connect charges alone could be as much as £70 an hour with a maximum speed of only 1200 baud.

For those of you who already have accounts with Compuserve you will have already had notification of the new access nodes. For those of you considering joining Compuserve, this list is reproduced overleaf.

To access Compuserve you must first call up your nearest node, enter <CR's> till you see the ITEL menu and then type 'CIS<CR>'. You will see the Compuserve prompt and you should then log on to Compuserve in the usual way.

What does Compuserve offer?

The Compuserve Almanac lists all of the many Forums and areas of interest that are available. The Almanac runs to over 300 pages and lists an average of five Forums to each page! Subjects range from specific computer Forums such as MAUG for the Apple, to Associated Press news files, online games, the Easypix message service, a Shopping Mall and much much more. There is something here for everyone whether you simply want to find out the weather in downtown New York or download the latest Desk Accessory for the Macintosh.

MAUG is in fact a very large system in itself and includes an Apple II Forums, Macintosh and Vendor Forums (including Apple themselves) and message and conference facilities.

How do I join?

The normal joining fee is £29.95. Online charges are \$12.50 for Compuserve itself and \$9.50 for the ITEL connection. All charges are made to your credit card account at the current dollar rate. You will be charged a \$1.50 a month support fee as well, with the online charge of \$22 an hour, or a proportion, depending on actual time accessed.

DO NOT JOIN NOW as a special offer is being arranged between Apple2000 and Compuserve!

Full details of this offer will be published in the April magazine. If you want more details now about the Compuserve/Forum itself call 0800 289 378.

CompuServe Europe

Those of you with modems will be familiar with the format of an online Bulletin Board and I would hope you have called into our own Bulletin Board TABBS at least once.

TABBS is typical of the Bulletin Board format with both news bulletins, messaging and file download-ing. The FORCE is typical of an online database allowing not only world wide messaging and Telex, but access to many individual specialist areas as well. A list of these areas was printed recently in the August 89 Apple2000 magazine.

Of all the major systems in the world, Compuserve

Compuserve European network access numbers

Country	City	Phone no	Network	Baud rates supported
United Kingdom	Aberdeen	0224 580217	Istel	1200
	Belfast	0232 661733	Istel	1200
	Birmingham	021 625 8373	Istel	300
		021 478 0002	Istel	1200
	Bournemouth	0202 530883	Istel	1200
	Brighton	0273 820236	Istel	1200
	Bristol	0272 290138	Istel	300
		0272 279808	Istel	1200
	Cambridge	0223 323155	Istel	1200
	Canterbury	0227 453502	Istel	300
	Cardiff	0222 463769	Istel	1200
	Chatham	0634 815055	Istel	1200
	Chelmsford	0245 492460	Istel	1200
	Chorley	02572 67511	Istel	300
	Coventry	0203 552092	Istel	300
	Doncaster	0302 340698	Istel	1200
	Dumfries	0387 69711	Istel	1200
	Dundee	0382 200636	Istel	1200
	Dunfermline	0383 737557	Istel	300
	Durham	091 386 2822	Istel	300
	Exeter	0392 217071	Istel	1200
	Glasgow	041 556 2288	Istel	300
		041 556 3334	Istel	1200
	Gloucester	0452 307766	Istel	300
	Halifax	0422 330585	Istel	300
	Hornastle	06582 5454	Istel	1200
	Horsham	0403 40533	Istel	300
	Hull	0482 446444	Istel	1200
	Inverness	0463 243411	Istel	1200
	Ipswich	0473 231631	Istel	300
	Leeds	0532 424100	Istel	300
		0532 424111	Istel	1200
	Leicester	0533 750240	Istel	300
	Lincoln	0522 512050	Istel	1200
	Liverpool	051 691 1312	Istel	1200
	London	01 437 4393	CSC	300
		01 439 4055	CSC	300
	London/Aldwych	01 242 9806	Istel	300
		01 831 9097	Istel	1200
	London/Park Royal	01 965 7767	Istel	300
	Luton	0582 401887	Istel	300
	Manchester	061 928 7115	Istel	300
		061 941 6319	Istel	1200
	Newport (Gwent)	0633 244456	Istel	300
	Northampton	0604 230734	Istel	1200
	Norwich	0603 39814	Istel	1200
	Nottingham	0602 475161	Istel	300
	Oxford	0865 749555	Istel	300
	Peterborough	0733 555575	Istel	1200
	Plymouth	0752 673352	Istel	300
	Portsmouth	0705 327575	Istel	1200
	Reading	0734 351616	Istel	300
	Redditch	0527 584546	Istel	300
	Sheffield	0742 729590	Istel	300
	Shrewsbury	0743 241631	Istel	1200
	Stoke-on-Trent	0782 289866	Istel	300
	Swaffham	0760 22523	Istel	300
	Swansea	0792 475533	Istel	300
	Teeside	0642 223435	Istel	300
		0642 225226	Istel	1200
	Truro	0872 75505	Istel	1200
	Tunbridge Wells	0892 515580	Istel	1200
	Winchester	0962 840944	Istel	300
		0962 844211	Istel	1200
	York	0904 430404	Istel	300

AP Online APV-1

Associated Press News Highlights

AP 02/23 11:04 EST V0802

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Friday 23rd February

Temperatures and weather conditions from midnight to midnight on previous day.

	Hi	Lo	Wthr
Bangkok	90	77	clr
Beijing	30	19	clr
Berlin	61	41	clr
London	63	50	clr
Madrid	72	59	clr
Paris	63	43	clr
Stockholm	54	48	cdy
Tokyo	57	52	cdy
Warsaw	52	39	clr

AP 02/23 05:42 EST V0737

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Residents of low-lying areas in the Deep South stacked sandbags around their homes in preparation for a wet weekend following a storm that rose out of the Gulf of Mexico, spinning off tornadoes that injured at least 30 people.

Heavy thunderstorms or rainshowers were reported from Florida to Michigan. The wet weather was the result of low pressure that was pulling moisture northward out of the Gulf.

"Looks like Saturday and Sunday will be the two worst days down here," said Hank Turk, director of public safety in Mississippi's Jackson County, where water was as much as 2 inches deep on 20 to 30 roads.

Light rain fell Friday in the state, and snow flurries were possible later in northern counties as cold air swooped in from the north. In the southeast corner of Mississippi, Escatawpa residents began protecting homes as the Pascagoula

River continued to rise slowly around them. "We got 90 calls Wednesday for sand and bags," said county supervisor Tommy Smith.

The tornadoes touched down along the Gulf Coast of Mississippi and in several places in rural Alabama. A powerful blast of wind also swept through Columbus, Ga., but weather officials were uncertain whether it was a tornado.

The first two tornadoes were reported shortly after midnight in the Gulf Coast town of Pass Christian, Miss., where at least 30 homes were damaged, the National Weather Service said.

The storm drove northeastward during the night and a tornado touched down just before dawn in Opp, Ala., damaging more than 40 homes and two businesses, and destroying two mobile homes.

The twister knocked out power, covered streets with the mangled remains of trees and blew out windows. Ten people were injured, one seriously enough to be hospitalized.

MOUNTAIN VIEW, CA. (January 29, 1990) - Adobe Systems Incorporated announced today a new version of Adobe Type Manager (ATM). The upgrade, Version 1.2, provides improved character spacing, bolding and performance, support for Bitstream fonts and a new application for printing banners.

The upgrade is free to all registered Adobe Type Manager customers and begins shipping the first week of February 1990. In addition, registered ATM customers can also receive any Adobe Type Library font for only \$39 (plus \$7.50 shipping and handling). Registered ATM customers will automatically receive ordering information for the upgrade and special font offer.

"ATM opened up the entire PostScript typeface market for Macintosh customers using QuickDraw printers," said Ivar Michelsons, Product Marketing Manager for Adobe's Application Products Division. "This special font offer allows our ATM customers to explore the quality and variety of PostScript fonts at a very attractive price."

Prior to Version 1.2, customers using applications that do not support fractional widths (such as Microsoft Word 4.0) may have encountered spacing inaccuracies both on screen and on their ImageWriter documents. Now, when printing documents, the upgrade provides clear, properly spaced printouts. It also allows users to more easily distinguish bold characters on screen at small point sizes.

Another significant benefit of the new version is support for Bitstream Type 1 PostScript fonts. With the upgrade, most non-Adobe Type 1 PostScript font customers can now use ATM transparently with any font they choose.

With Version 1.2, customers will also recognize improved performance when using large point sizes. In addition, Adobe has also included a new program for printing banners on ImageWriter printers. Customers simply select the banner program, type in the desired words for the banner and select print.

The upgrade supports all of the most popular Macintosh software programs and is transparent to users. The product requires a Macintosh Plus, SE, SE/30, II, IIx, IIcx, IIci or Portable with one megabyte of RAM and supports System 6.0.2 or later. In addition to any PostScript language printer from Adobe, the product also supports the ImageWriter family, LaserWriter IIISC, Hewlett-Packard DeskWriter or PaintJet, Kodak Diconix M150 Plus and most other QuickDraw devices.

Adobe Systems (NASDAQ:ADBE) was founded by Dr. John Warnock and Dr. Charles Geschke and is headquartered in Mountain View, California. Revenues for fiscal 1989 were over \$120 million.

Adobe Type Manager, ATM and the ATM logo are trademarks and Adobe and PostScript are registered trademarks of Adobe Systems Incorporated. Macintosh, ImageWriter, QuickDraw, and LaserWriter are registered trademarks of Apple Computer, Inc. Hewlett-Packard is a registered trademark of Hewlett-Packard Company.

Letter Box



Letters to the Editor

Dear Sir,

I have had an Apple //e computer for many years, and being an Engineering student, have used it for writing reports and design.

Unfortunately the software I have is very limited, and so recently I tried to get more advanced programs from the local AppleCentre (Edinburgh) where I was shown the Macintosh and its related software, but nothing for my trusty //e. I had nearly given up searching when I found your address as an organisation that cared for Apple II users.

Therefore I would be most grateful if you could forward to me information you may have on Scientific word processors, Computer Aided Design and Computer Aided Engineering programs, and high quality dot matrix inkjet printers.

Stephen Tomalillo

I would suggest Format-80 as a suitable scientific word processor.

I do not know of any serious CAD programs for the Apple II other than the old Robo BitStik program. This is a rather cumbersome solution to the CAD problem on the II series. It is no longer available new, but can sometimes be picked up secondhand. I see that your AppleCentre in Edinburgh only showed you the Macintosh. Unfortunately, for CAD they are the only solution. There is nothing serious really for the //e. There are some attempts at CAD on the IIgs, but to buy one of those computers is quite an outlay, and if you are in Education, it is cheaper at the moment to buy a Mac!

As to high quality ink-jet printers, the one to look for is the Hewlett Packard DeskJet. This costs around £600.

Ewen Wannop

Letters to the Editor

Dear Apple2000

Harvey Nyman wanted to know where to patch AppleWorks 3 to change the "\$" to a "£" in the Dollar format option of the Spreadsheet. The elusive byte is relative number \$6A6 in SEG.SS. Change the \$24 to \$23.

Terry Morris

Letters to the Editor

Dear Sirs,

As a relative newcomer to Apple2000, with an Apple //e, I would like to say that I appreciate the information and advice in the magazine. As I have recently retired from full-time employment my chances of affording an expensive change of equipment are diminishing somewhat, whether such a change is necessary or not. Hence the possibilities of more economical upgrading and adaption of equipment that I already own and am accustomed to are attractive. I tend to feel somewhat like my //e, aging, but still useful to a degree and functioning reasonably.

It is fairly obvious that apart from Apple2000 and a

handful of well known suppliers earning and maintaining our allegiance we would be quietly slipping into oblivion. The general and specific articles on improving and upgrading our equipment's capabilities are exceedingly helpful for a number of reasons:

1. It cuts down on the time which would otherwise be individually expended in finding out what is possible and the sources of supply.

2. It avoids unnecessary expense and possibly expensive mistakes.

3. We are enabled to "get on with it" as the saying goes, and not too late, an important point for those of us on the fringes of the system environments.

All of this you are no doubt well aware of, but I felt that I should mention my interest and be counted, //e, as well as tendering my thanks for the shared experiences and data provided.

On the point of information provided, I would like to enquire if the provision of back numbers of the Magazine are available. I am particularly interested in the August 1988 and October 1988 issues containing reviews of the PC Transporter, which were alluded to on page 6 of the December 1988 issue (my first received copy).

RG Acton

Thank you for your letter. Apple2000 is a User Group and we rely on the Users to provide help and articles about their experiences. If any member has anything that they can write about, please send us the article on a disk. We can only grow by sharing our experiences in this way.

As Apple2000 is run by volunteers, we are unable to store back issues of the magazine. I am afraid we cannot supply you with the copies that you ask for. I have however forwarded you with photo copies of the articles in question. Ed.

Letters to the Editor

Dear Boffin,

Thank you for your comments in Apple Slices for January 1990 to my two problems.

1. Missing Top Margins

In my letter to you I forgot to mention that I normally use A4 sheet paper and occasionally A5. Changing the switch 1-4 on the ImageWriter to the open position, as I would expect, makes no difference - the top margin is still missing after page 1. However, in view of your comment, I decided to try it out using 11 inch fan fold paper and all was well.

From this am I right in concluding that the fault must be in the ImageWriter II printer, and that it is not producing a form feed at the end of a sheet?

Incidentally, what are the sizes of US letter and US legal?

2. Lack of Memory?

Your remarks here are not very encouraging. I have ROM 01 which I understand is the current version and I would have thought it to be compatible with Chessmaster 2100.

Does this mean that even with extra memory I might still have to boot up from the original disks? Similarly, if I were to invest in a hard disk would this be necessary with these programs?

3. 3.5 Inch Drives

I have two 3.5 drives and one DuDisk drive. The DuoDisk is normally disconnected. Just before Christmas I started to have trouble passing information to and from the drives, their behaviour was erratic and gradually deteriorated; one drive always being slightly worse than the other. The DuoDisk worked perfectly, even when daisy chained thus ruling out cables and connections. The faults turned out to be the circuit boards in both drives. The local agent even tried changing the mother board not believing that both drives would go faulty at the same time.

It seems too much of a coincidence that both drives should develop the same fault at the same time without there being some external cause - for instance, are they

AGM

Saturday 28th April,
at Luton

If you are a current member, you should have received a copy of the A.G.M. notice and a copy of the accounts for the year ended 30th June 1989, included with this issue of Apple Slices. Any current member who has not received these should contact Irene on 051 928 4142 immediately.

This year, the A.G.M. will be held at Downside Infant School, Chaul Lane, Luton. The map on the left will help you to find it — junction 11 off the M1 motorway leads to Dunstable Road. The entrance to the school is on Chaul End Lane.

There are no catering facilities at the school, so you may bring sandwiches or try out one of the local eating-houses!

There are plans to hold a workshop, too, so we have hired the school hall for the full day — 9.00am to 5.00pm. 



Battle of the Apples

Looking back at the March 1989 issue of Apple Slices, we included a map to help members find the A.G.M. — but sharing the page was a short article about the legal battle brewing between Apple Computer Inc. and Apple Corps (of Beatles fame).

The wrangle was centred around the use of "Apple" as a trademark, and a secret agreement which allowed Apple Computer Inc. to use the name provided that they did not develop any products related to music.

All was well until Apple Corps were upset by the introduction of the MIDI interface, the Apple CD SC and the sound chips in the Apple II GS and the Mac.

We should have thought that it would all be settled by now — but, no! the battle still rages a full year later. The Beatles are reputed to be "among the richest people in the world", so they are not taking this action purely for the money. But where will it all end?

In this sort of battle, the only winners appear to be the lawyers!

PageMaker Version

In February, Paul Brainerd (President of Aldus Corporation) came to the UK for the introduction of PageMaker version 4. The proceedings were held at Apple Computer's new premises near Heathrow, and it was well-attended by the press as well as by representatives from Apple and Aldus.

The new version promises some useful additional features, including a spelling checker and search-and-replace facilities. Generation of indexes and tables of contents, widow- and orphan-line control, a story editor (to speed up the processing while making alterations), text rotation (90-degree increments only) and the ability to condense and stretch text are just some of the new features. The demonstration was impressive, showing off the new facilities to good effect.

The program is scheduled for release in the second quarter of 1990. The anticipated retail price is £695, with upgrade prices varying between £75 and £150 depending upon which version of the program is already owned. 

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Please help us to help you.
Send your advertisements to us on a
disk, in Mac or Apple II text format.
We will return the disk, of course.
This saves us time, and avoids errors.

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Members' Small Ads are FREE.
Please help us to help you.
Send your advertisements to us on a
disk, in Mac or Apple II text format.
We will return the disk, of course.
This saves us time, and avoids errors.

CALL FOR PAPERS

International Symposium on Economic Modelling; University of Urbino, Italy; 23-25 July 1990.
All participants interested in presenting papers or attending, please contact Dr H Motamen.

'Phone Dr Motamen 051 312 0000

CALL FOR PAPERS

Bilingual Computing in Arabic and English; University of Cambridge; 5-7 September 1990
All participants interested in presenting papers or attending, please contact Ahmed Ubaydli.

'Phone Ahmed Ubaydli 01223 325555

FOR SALE

Apple II (no D/D) £50
Apple II (Europlus) (no D/D) £60
Fan with joystick connectors £10
Also various books and manuals (each) £2
Other bits & pieces, cards, etc.

'Phone Peter Mayer 0115 926 0000

WANTED

Stereo Generator disk
'Phone Peter Mayer 0115 926 0000

FOR SALE

20mbyte Apple hard disk, brand spanking new, still in sealed wrapping — bargain! £350
'Phone Paul 0115 926 0000

FOR SALE

Ragtime desktop publishing software for Mac £100
Mockingbird stereo sound/speech hardware system for Apple II computers — includes many software utilities and all manuals £100
'Phone Terry 0115 926 0000

FOR SALE

Apple II Europlus (48K) + 16K Language card, two 5 1/4 disc drives, 80 col. card, green monitor, Epson LX 80 printer w/card, manuals plus Visicalc, Applewriter and Format 80 word processing software
A complete system £300
'Phone Bill O'Keeffe on 0115 926 0000

FOR SALE

for Apple //e or IIgs:

1. PACE Mastercard II (ideal for electric mail/prestel or as a serial card for printer) £50
2. PACE Colour Palette Teletext card (for high-res viewdata graphics) £75
3. MicroPro "Superscript" wordprocessing program (5.25" disks) £20
4. Citizen (model: MSP-15) 120 Column Parallel Dot-Matrix Printer £100
5. MicroStar (model ND-15) 120 column Parallel/serial Dot-Matrix Printer £150
6. Omnis 2 Program (database - 5.25" disks) £50
7. Apple II Monitor (with added mesh anti-glare screen) + lead/cable £50
8. "FullText" Wordprocessing program for //e with spell checking facility £20
9. Inmac //e work station (in beige steel) (especially designed to sit on top of //e to hold disk drives, modem etc., and monitor on the top) £15

NB (a) For the "PACE" compatible complete communications - will consider £125 o.n.o. for lot, includes original "Data Highway" comms program.

(b) Will consider £380 o.n.o. for all the above bought together.

(c) Will seriously consider exchange for commensurate value of any items above either "Thunderscan"; or Thunderscan software, especially latest upgraded IIgs version

'Phone Gordon (after 6.30pm Mon/Fri) 0115 926 0000

FOR SALE

Apple IIe with language card, 80 col card, Z80 card, two Apple disc drives with interfaces and a Hitachi monitor. Original documentation and various software £100 (very quick sale required - I'm leaving the country!)

'Phone David Atkinson 0115 926 0000

WANTED

1. CP/M & Z80 softcard manual (Microsoft)
2. VISISCHEDULE disk & manual for Apple //e
3. Flight Simulator II for Apple //e

'Phone Tony Ingleton (after 7.00pm) 0115 926 0000

FOR SALE

1. MacSE 4/40 (internal Rodime HD)
2. MacSE 1/40 (internal Rodime HD)
3. MacSE 1/40 (internal Rodime HD)
4. A4 Cornerstone black and white monitor for Mac SE
5. A4 Cornerstone black and white monitor for Mac SE
6. A4 Cornerstone black and white monitor for Mac SE

All the above equipment is just over one year old, has been used very little and is in perfect working condition. Offers are invited, but at least £750 (+ VAT) is sought for each of the monitors.

'Phone Mr Patel 0115 926 0000

Members' Small Adverts are FREE.
Please help us to help you.
Send your advertisements to us on a
disk, in Mac or Apple II text format.
We will return the disk, of course.
This saves us time, and avoids errors.

Members' Small Ads

**WARNING: The sale of copied or pirated software is illegal.
Please ensure that items offered for sale are new or re-registered.**

Members' Small Adverts are FREE.
Please help us to help you.
Send your advertisements to us on a
disk, in Mac or Apple II text format.
We will return the disk, of course.
This saves us time, and avoids errors.

FOR SALE

Enhanced Apple //e, extended 80-column, clip-on fan;
Apple DuoDisk drive with controller; Taxan green monitor
with glare filter; cables and manuals £350
ProGrappler parallel interface £40
SerialPro serial interface and clock/calendar £45
RamFactor 1mb £125
Or the whole system for £500
All privately used and in excellent condition
'Phone Peter Dyson (Cheltenham) 01242 820000

FOR SALE

Word processing software:
Format 80 enhanced £55
Appleworks v2.0 £55
Epson LX80 printer, centronics 1/face, paper feed £120
'Phone Barrie 01242 820000

FOR SALE

CALL APPLE magazine - 68 issues £50 or will split:
1981 2 issues £4
1982, '83, '84 and '86 complete sets (per year) £10
1985 11 issues £9
1987 7 issues £6

Apple 2000

Almost complete set including Hardcore - the Apple 2000 predecessor. Set includes issues 1 and 2 dated Jan. 1981!
About 50 issues £75

BOOKS:

CALL APPLE ALL ABOUT APPLESOFT £10
PEEKING AT CALL APPLE £10
CALL APPLE ALL ABOUT PASCAL £10
CALL APPLE ALL ABOUT DOS £10
All 4 books £35

4 GAMES:

Checkers, Flight Simulator, Snacker, Reversal £10

BOOKS:

Apple II+ Integer Basic Manual £10
Apple II DOS 3.3 reference manual £15
Both £20
6502 programming - Leventhal £5
Programming the 6502 - Zaks £5
Assembly language - Hyde £5
Little book of basic style £5
Basic computer games £5
Illustrating basic £5
All 8 books £12

Guide to Omnis 3 - Mosich £8
dBase III+ Complete reference - Carabis £6
PFS First Publisher (NB IBM) £30

'Phone Shaun Hope 0151 450 0000

FOR SALE

1. Apple 2e, Monitor & two 5.25" disk drives .. £275ono
2. ITT 2020 Clone.(cpu only) £25ono
3. Tiger Printer with Manuel and int.card £25ono
4. IIgs Apple 1Meg Mem. Exp. Card (popltd to 256k) £95
5. Sunshine Apple II Eprom Tester/Writer £5ono
6. Dark Star Snapshot Card + all programs/manuals £45
7. Titan 2e Accelerator + Manual in box £45ono
8. Titan 128k Ram Card + Manual £45ono
9. Rana 4 disk drive Interface, original packing £35ono
10. Various Software and games in original packing £10-£20
'Phone for details

'Phone ALAN (any time) 01242 820000

WANTED

Urgently Wanted to borrow or buy
1. S-C Macro Assembler by Bob Sander Cederlof
2. Any Issue or Issues of Apple Assembly Lines
3. The Sorcer's Apprentice
4. Disassembly Lines by Sandy Mossberg any volume
5. A good Assembly line Tracer Debugger
(I have Bugbyter)

'Phone ALAN (any time) 01242 820000

FOR SALE

1. DataFrame XP40+40 (40 Mbyte hard disk and 40 MByte tape backup unit, as one unit) £550
2. Rodime 60+ (actually 66Mbytes) External SCSI Hard Disk, complete with SCSI cable (6 months old) £500
3. BuzzBox V21 (300/300 baud) modem £20
4. KB3000 83-key detachable keyboard for Apple II+ incl. numeric keypad & 10 programmable function keys. £45
5. DFK-100 95-key detachable keyboard for Apple II+ incl. numeric keypad & 12 pre-programmed func. keys .. £40
6. Microsoft 16k language card £10
7. PowerBase v2.2 for the IBM (5.25" disks) — complete, never used, registration card unused £130
All above plus P&P

'Phone Peter Wilson (weekends) 01242 820000
(office hours) 01242 820000

FOR SALE

Macintosh 512k/800 extended 2 Mbyte (Dove board), with recently-fitted new external and internal 800k drives
ImageWriter II
Microsoft Word, Excel and Works
The lot £1150 o.n.o.
'Phone Anne or Ian 01242 820000

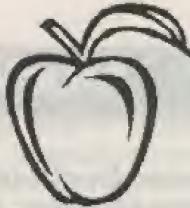
FOR SALE

DBMaster v.3 (powerful database and reports generator) + free utility disk (only requires 48k 40-col screen & uppercase, 2 drives or more recommended) £100 o.n.o.
or swap for serial printer with decent print

'Phone David (evenings) 01242 820000

Apple Slices

May 1990



A bi-monthly Newsletter from Apple2000 in its Anniversary Year 1980-1990

Issue 17

Annual General Meeting

Luton April 28th 1990

Our Annual General Meeting was held again this year in Luton. However we had a new venue this year at the Downside Infants School.

The weather was well up to scratch with a mini heatwave raging outside. The M1 however did not help being jammed solid between junctions eight and nine!

The turnout was not quite as good as we had last year, but there were enough members to guarantee a quorum. We also had a lively debate on several issues after the business of the meeting was concluded. We then carried on through the day with a general workshop in the afternoon, both the Macintosh and the IIgs were represented.

The new committee for 1990-91 comprises Ewen Wannop as Chairman, Norah Arnold as Secretary, Irene Flaxman as Treasurer and Elizabeth Littlewood, John Lee and John Arnold as committee members. We welcome Elizabeth to the committee. She will be co-ordinating the review material for the Apple II side of the magazine.

The full minutes of the AGM will be published in the June issue of the Apple2000 magazine.

FileMaker Pro

SANTA CLARA, Calif., April 2, 1990 — Claris Corporation today announced FileMaker Pro, the powerful next generation of the application which has led the Macintosh database-manager market for five years.

With more than 100 new features, FileMaker Pro adds greater solutions for flexible, graphics-rich formatting and report generation, and includes the most robust set of workgroup and multiuser features of any Macintosh database manager. Performance has been increased by more than 30 percent over FileMaker II, on average.

FileMaker has achieved a clear lead in its market because of its combination of power and ease of use. FileMaker Pro provides powers usually associated with far more difficult-to-use applications-generating products, such as multifeile look-ups for relating information, without requiring users to become programmers.

Claris will demonstrate FileMaker Pro publicly for the first time at the MacWorld Expo, San Francisco.

"FileMaker Pro is what every Macintosh application should be: loaded with power and immediate productivity," said John Zeisler, Claris vice president of marketing.

(Continued on page 6)

Applied Engineering Update

AE to Release New 3.5" Drive

Applied Engineering's new 3.5" Drive is currently undergoing FCC certification and will be released soon. The drive is fully compatible with the Apple 3.5 Drive to work with the IIgs, Macintosh series and computers equipped with AE's PC Transporter.

Final retail price has yet to be established, but insiders claim AE's strategy is to put a high quality drive on the market at a "stunningly" low price.

GS-RAM Ultra(tm)

AE's new IIgs memory card, is now available. The GS-RAM Ultra incorporates a new DRAM technology utilizing 256K x 4 chips. One DRAM set consists of 2 individual 256K X 4 chips totaling 256K. The card is user-expandable in 256K increments to a total of 4 megabytes. GS-RAM Ultra also contains ROM sockets that are designed to accommodate future applications, as they become available.

Low Profile MacRAMs(tm)

Applied Engineering now offers low profile MacRAMs for the Macintosh Plus, SE, and II. The new lower profile SIMM memory module assures proper clearance for all Macintosh peripheral cards and internal devices.

Applied Engineering still offers medium height MacRAMs (compatible with most peripheral cards) at a slightly lower price.

New 5.25" Drive Design

Applied Engineering is shipping a newly designed 5.25" Apple II drive. Designed for improved reliability, the new drive includes a DB-19 connector for direct connection to the external drive port on the Apple IIc, IIc Plus, or IIgs. A 20 pin adapter cable is also included for direct connection to the drive port on the II+ or IIe Disk II-style controller.

London Code Changes

Please note that with the new code changes to the telephones in the London area the following numbers now apply:

Telecom Gold direct dial:	081-203-3033
PSS London 300/300:	071-261-9421
PSS London 1200/75:	071-407-8344
PSS London 1200/1200:	071-928-2333
PSS Dialplus London:	071-283-9123
Prestel London:	071-618-1111
PSS Help Line:	071-250-8470
IPSS help Line:	071-492-2750

MacWorld Expo 1990

From: Newsbytes
Message-Base: Newsbytes
Subject: MORE FROM MACWORLD:
NB-Office: SFO
Location: SAN FRANCISCO CALIFORNIA U.S.A.
Date: 1990 APR 13

SAN FRANCISCO, CALIFORNIA, U.S.A., 1990 APR 13 (NB) — Here's a sampling of new products announced at Macworld this week:

Multimedia/Presentations:

Electronic Arts introduced Studio/32, a color version of its Studio/8 animation and paint program.

Letraset has presented Shapes, an add-on module for ColorStudio. Shapes adds outline drawing and anti-aliasing rendering tools to the color paint program. The combination of ColorStudio and Shapes is designed to bring to the desktop the power of expensive, high-end creative prepress, post-production and animation imaging systems. The Shapes Annex program will cost \$295 when it hits the market during this quarter.

Symantec unrolled an upgraded MORE. Version 3.0 offers enhanced desktop presentation capabilities, along with outlining, charting, and word processing. The new version ships May 1 and costs \$395. Upgrades for More II users are \$50. 408-253-9600.

Ceres Software introduced Inspiration, The Thought Processor, version 2.02, a program which combines visual diagramming and powerful outlining. The cost is \$249. Call 503-245-9011 for more info.

Databases:

Aclus unveiled new information management tools meant to be used with its 4th Dimension database program. The \$295 tools are called 4D Write, 4D Calc, and Graph 3D. They ship in July.

Music:

Andromeda Computer Systems of Calgary, Alberta, Canada, unveiled Master Tuner, a Macintosh program designed to help tune acoustical musical instruments. Master Tuner listens to the sounds around it using a Farallon MacRecorder or similar audio digitizer. When it hears a sound, it shows which note is closest in pitch, and displays a tuning graph for that note. The cost is \$99. Call 403-247-5300.

Utilities:

Alladin Systems, Aptos, California, is offering Stuffit Delux, an upgrade to the Stuffit program, a file compression utility, for \$99. The new version has over 75 new features. The old version of Stuffit has now been renamed Stuffit Classic. Call 408-685-9175.

Peter Norton Computing is entering the Macintosh market with a version of its Norton Utilities for the Macintosh. With 45 different types of error checks, this software has been updated to combat the new

Italian "ZUC" or Zucchini virus. ZUC only infects applications, causing the cursor to drift diagonally across the screen. Once the infection reaches the Finder, control of the cursor becomes impossible. Shipping immediately, version 2.6 is \$100. For info on this and Microcom's update service, call 617-551-1000.

(Wendy Woods/19900413)

CAMBRIDGE, MASSACHUSETTS, U.S.A., 1990 APR 13 (NB) — On Technology has received financing from Apple Computer, but is not disclosing just how much money the Cupertino computer maker has infused into the start-up software firm.

On Technology, headed by Lotus founder Mitch Kapor, recently introduced On Location, a \$130 file search and organizing utility.

On Technology reports that it has also received funding from venture capital companies Kleiner, Perkins, Caufield & Byers, and from the Cole-Gilburne Fund.

(Wendy Woods/19900413)

(SAN FRANCISCO, CALIFORNIA, U.S.A., 1990 APR 9 (NB) — ExperTelligence has announced that the Texas Instruments (TI) microExplorer board found in ExperTelligence's Action! symbolic, interactive object-oriented software development system is fully compatible with Macintosh IIfx and can be used without modification.

Dr. John E. Forge, executive vice president of ExperTelligence, says that the combination of the Mac IIfx, the microExplorer and the Action! development environment results in the most powerful software development system available, enabling programmers to develop applications faster than with other hardware/software combinations. Applications developed with this system can be ported to a variety of other platforms including the native Macintosh. (Janet Endrjonas/19900413/Press Contact: Dr. John E. Forge, ExperTelligence, 805-967-1797)

From: Newsbytes

Message-Base: Newsbytes

Subject: APPLE ANNOUNCES MAJOR COMMITMENT TO MACWORLD EXPO ASIA '90

NB-Office: LON

Location: RAFFLES ITENS at the Raffles City Convention Centre on June 14, this year.

James' presentation, entitled 'the Mac advantage in 1990s,' will incorporate the latest Apple technology built on the Mac platform. According to James, he intends to make full use of the Mac's multimedia capabilities in illustrating his address.

Jackie Kayser, the exhibition's manager, said that James' speech will set the scene for an exciting and dynamic MacWorld show.

"It complements the main objectives of MacWorld Expo Asia which are to show an international audience what makes the Mac so versatile and powerful, and to help exhibitors realize what makes the Mac so versatile and powerful. It will be a great start to our four day show and seminar," she said.

(Steve Gold/19900414/Press & Public Contact: Jackie Kayser, MacWorld Expo Asia - Tel: [voice] +65-468-7920; [fax] +65-469-7104)

From: Newsbytes
Message-Base: Newsbytes

Subject: LOTUS ROLLS OUT BIG MACINTOSH CD-ROM FOR BUSINESS

NB-Office: SFO

Location: SAN FRANCISCO CALIFORNIA U.S.A.

SAN FRANCISCO, CALIFORNIA, U.S.A., 1990 APR 11 (NB) — Flanked by Apple Chairman John Sculley, Lotus President Jim Manzi has announced that Lotus will have available by this fall a CD-ROM Macintosh disk that will contain a massive amount of data on U.S. businesses and American households. An IBM version is planned, but Lotus will not say when such a disk would be released.

Called Marketplace, the \$695 disk is envisioned as a way for businesses to build cheap mailing lists, and structure new marketing strategies, a pastime which is in itself, a big business. It contains names, addresses, and phone numbers, as well as various search criteria. The first 5,000 names used in a mailing list are free, more will cost the user an additional fee.

"Businesses spend billions of dollars annually in finding new customers, including more than \$400 million on electronic sources of consumer and business information," said Dan Schimmel, director of Lotus' Desktop Information Products Division.

The data on the disk is divided into two areas — business and household. The business data, compiled by Trinet, Inc., lists data on 7.5 million U.S. businesses. The household data, supplied by Equifax Marketing Decision Systems, lists the demographics and lifestyle data on 80 million U.S. homes and 120 million consumers.

This is Lotus' second stab at the Macintosh market, its first was the ill-fated Jazz integrated spreadsheet product, which Apple Chairman John Sculley referenced with this comment: "We are always looking for innovative new products to help sell the Macintosh. We think this time Lotus has come up with a winner."

Lotus and Apple Computer also announced an agreement under which the companies will market the product through a number of distribution channels.

(Wendy Woods/19900411/Press Contact: Pamela Cay, Lotus, 617-225-1305)

SAN FRANCISCO, CALIFORNIA, U.S.A., 1990 APR 11 (NB) — Apple Computer has introduced a new product, MPW, used both by Apple for its own software development, and externally, by large numbers of commercial and in-house developers. The company says it is its premiere product to aid in the creation of software for any Macintosh computer.

The MPW suite includes an integrated editor and command interpreter, more than 200 tools to help in the development process, a Motorola 68000 micro-processor family assembler, C and Object Pascal compilers and a source level debugger.

The MPW suite is available immediately. Orders can be placed through Apple Programmers and Developers Association (APDA) or Developer Tools Express, Apple's two distribution channels for development tools and information. In the United States, contact 800-282-2732; in Canada, 800-637-0029;

or internationally, 408-562-3910.

Developer Tools Express is a service which provides individuals and organizations new to Apple development with a source of tools, languages and technical documentation essential for creating software and hardware for Macintosh and Apple II computers. Developer Tools Express allows customers to purchase final release (fully tested and documented) Apple and selected third-party development products from Apple without the annual subscription fee or customer agreement required by the Apple Programmers and Developers Association (APDA).

Customers can place orders via a toll-free phone number and charge their orders directly to a major credit card. Additionally, a product and price list will be available upon request from which customers can order products.

(Wendy Woods/19900411/Press Contact: John Cook, Apple, 408-974-3145)

From: Newsbytes

Message-Base: Newsbytes

Subject: NEW FOR NETWORKS: Novell Intros New LAN WorkPlace for Mac

NB-Office: LAX

Location: SAN FRANCISCO CALIFORNIA U.S.A.

SAN FRANCISCO, CALIFORNIA, U.S.A., 1990 APR 10 (NB) — From the MacWorld Show in San Francisco comes word that Novell has introduced a new release of LAN WorkPlace for Macintosh networking software that gives Mac users full access to host computers, peripherals and services on businesswide TCP/IP (Transmission Control Protocol/Internet Protocol) networks.

LAN WorkPlace for Macintosh Release 1.1 broadens character set support, increases screen display size and expands the print screen for workgroup computers and Novell NetWare servers.

The new release lists for \$250 and is available now through Novell distribution channels. It requires a hardware connection between the Macintosh and an Ethernet network.

(Janet Endrjonas/19900411/Press Contact: Steve Genova, Novell, 408-473-8381)

SAN FRANCISCO, CALIFORNIA, U.S.A., 1990 APR 10 (NB) — The newest item in Shiva's NetModem V.32 product line, a 9600 bps (bits per second) multi-user AppleTalk modem, began shipping this week.

This V.32 modem connects directly to AppleTalk and can be shared by all Macintoshes and PCs on the network. The unit is completely Hayes-compatible and is accessed via the Macintosh's "Chooser." NetModem V.32 provides flashing LEDs in the Macintosh menu-bar and modem sounds through the Macintosh speaker to indicate the progress of a call.

In addition to modem sharing, NetModem V.32 includes telebridging to link remote networks over telephone lines. It also provides Dial-In Network Access that allows a single remote Macintosh or PC to dial-in to the NetModem V.32 and access the connected AppleTalk network.

(Janet Endrjonas/19900411/Press Contact: Catie Martin, Shiva Corp., 617-864-8500)

SAN FRANCISCO, CALIFORNIA, U.S.A., 1990 APR 10 (NB) — Ashton-Tate has announced Full Impact 2.0, a new version of the company's spreadsheet software for Macintosh.

The new release is a major upgrade to Full Impact 1.1 and includes 3-D graphs, Excel data import and export, new productivity features such as intelligent recalculation, presentation enhancements such as new chart types and borders, and several developer tools including buttons. The product is currently in beta test.

When released, the product will carry a suggested retail price of \$295.

(Janet Endrjonas/19900411/Press Contact: Linda Duttenhaver, Ashton-Tate, 213-538-7011)

From: Newsbytes

Message-Base: CoStar Corp. (Greenwich, Conn.) has unveiled a print driver for its LabelWriter label printer at MacWorld Expo.

With the Print Driver, users can print directly to the LabelWriter from any software program, whether the output be a list, a mail merge, or graphics. Labels can be printed in portrait or landscape orientation, and bar codes and text can be mixed on the same label. The print driver also has a built-in spooler.

LabelWriter, which is barely bigger than a tape dispenser and prints only labels, sells for \$249.95. For more information, call 800-4-COSTAR.

(Computer Currents/19900411)

SAN FRANCISCO, CALIFORNIA, U.S.A., 1990 APR 11 (NB) — EMAC of Fremont, CA, a division of Everex Systems, has released the Metro line of hard drives for the Macintosh.

The new drives feature EMAC's SCSI Sentry, a circuit that protects against electrical shorts in the SCSI (Small Computer Systems Interface) circuitry and cabling that can damage the drive. The Metro hard drives will ship Apr. 23.

EMAC Metro drives are available in capacities of 21, 42, 84, and 168 megabytes. For more information, call 415-683-2222.

(Computer Currents/19900411)

From: Newsbytes

Message-Base: Newsbytes

Subject: MACWORLD EXPO: PRODUCTION STUDIO IN A BOX

NB-Office: SFO

Location: SAN FRANCISCO CALIFORNIA U.S.A.

SAN FRANCISCO, CALIFORNIA, U.S.A., 1990 APR 11 (NB) — The fifth annual MacWorld Exposition, sprawling across two convention halls — Brooks Hall and the Moscone Center — features a wide array of new multimedia tools to integrate video, graphics, audio, and other presentation technologies.

One of the most innovative products at the show is Interactive Media Technologies' IMTX 8000, a fully integrated desktop video "hub" priced between \$7,000 and \$12,000 which can control as many as 12 picture sources and monitors and simultaneously distribute up to 20 sound sources allowing elaborate presentations to be controlled from a single personal computer. Don't look for it anytime soon, however. The product isn't slated to hit the

market until the fall of the year with a consistent interface to choreograph multimedia events.

The IMTX media integrator offers full machine control, audio/video routing, audio mixing, sync generation, and frame-accurate SMPTE time code indexing, and then outputs in high quality NTSC signals.

How does it compare to other systems for video editing, special effects, and computer graphics integration on the market? The Company's CEO, R. Glenn Williamson, explains, "From a pricing perspective, it's relatively low-end. For output quality, it's mid-range to high and for the elegant interface it's off the top of the chart. It is simply the best solution for the growing number of creative, non-technical people requiring access to serious video production and multimedia presentation capabilities."

(Wendy Woods/19900411/Press Contact: 602-443-3093)

SAN FRANCISCO, CALIFORNIA, U.S.A., 1990 APR 11 (NB) — Canon, of Lake Success, New York, has shown for the first time a floppy disk drive which is a combination of a still video player and a color digitizer. It should be available this fall, but pricing has not been decided.

The FV-540 Video Floppy Disk Drive stores images captured from a still video camera and converts them into full-color digitized pictures of up to 640 by 480 pixels at 24 bits per pixel. The digitized picture is then transmitted to a Macintosh through its SCSI (Small Computer Systems Interface) port. Aldus Preprint (expected to be released in this quarter) or Pagemaker software then allows the images to be modified and saved in TIFF format. The color images and text can be manipulated into color separation files or the elements can be merged for composite printing.

"Canon's still-video system is an exciting new technology development," said Aldus President Paul Brainerd.

(Wendy Woods/19900411)

SAN FRANCISCO, CALIFORNIA, U.S.A., 1990 APR 11 (NB) — Quantum Leap Technologies has overcome several technical barriers to putting this much data on a disk slated for the Mac to read. First, the Mac limits the number of resources that can be addressed in a single volume, and secondly, 719 megabytes on a single disk is more than standard CD-ROMs can handle.

The Macintosh file limit barrier was overcome, says Robert Burr, president of Quantum Leap, through some innovation on the part of his programmers, and he has few good words for Apple on this matter. "In spite of the fact that Apple has been marketing a CD-ROM drive for over two years now, they have refused to address the problem of the Finder crashing on large disk drives. Like many other CD-ROM developers, we've been working for months on an acceptable solution to this problem. Now we have it."

Burr credits Nimbus Information Systems of Ruckersville, VA, for helping produce a CD-ROM volume exceeding the 700-megabyte barrier.

In 719 megabytes is packed 2,570 art files, 931 games, 828 Hypercard stacks, 1,262 demo files, 1,180 sound files, 1,453 music files, and over 1,000 utilities.

(Wendy Woods/19900411/Press Contact: Robert Burr, 305-446-2477)

SAN FRANCISCO, CALIFORNIA, U.S.A., 1990 APR 6 (NB) — Jasmine Technologies spokesman Jay Hagan says that the company is still under Chapter 11 bankruptcy protection, but product is being shipped to customers.

When Jasmine went bankrupt on March 16, hundreds of customers who had paid for drives or servers were left with neither their product nor their money. Hagan says his records indicate 50 percent of the ones that charged the purchase to their credit card have since had the charges credited, and have not lost any money. The rest are slowly receiving their purchases. April 5, he says, was a day in which 200 drives were shipped.

Hagan says the firm is in negotiation with several companies that might wish to buy the firm, but there is no specific news on this that he can release. "Our biggest task is communicating with our customers," he says.

(Wendy Woods/19900406)

VIENNA, VIRGINIA, U.S.A., 1990 APR 5 (NB) — America Online has been chosen the official online service of the National Apple User Group Conference, slated for April 20-22 in Arlington Heights, Illinois.

The online system will provide 24-hour access to the 600-800 user group leaders who attend the convention and will host a "Live from NAUGC" simulcast of major conference events. Coverage will include Bill Gates of Microsoft, Mitch Kapor of On Technologies, and Jean-Luc Lebrun of Apple, who will address the gathering.

For information on America Online call 1-800-227-6364; to find out more about the National Apple User Group Conference call Lavonna Rann at 708-518-2642 or on America Online as "Lavona."

(Wendy Woods/19900406)

From: Newsbytes

Message-Base: Newsbytes

Subject: MAC-COMPATIBLE LAPTOP FROM TAIWAN SELLING IN JAPAN

NB-Office: TYO

Location: TOKYO JAPAN

TOKYO, JAPAN, 1990 APR 4 (NB) — Information Factory, a Japanese software venture, will import a laptop computer unknown Taiwan firm. Newsbytes could not confirm at deadline whether the Taiwan firm is DTC, based in Taiwan, which was known for its Jonathan Macintosh clone computer last year, and this year exhibited a model substantially similar to the Information Factory import.

The model, called the MTOP-2MH, is priced 680,000 yen or \$4,390 and comes with a motherboard from a Mac 512 or Plus and a 40-megabyte HDD (hard disk drive). The MTOP-SE030H has a motherboard from the Mac SE/30 and is priced at 1,060,000 yen or \$6,840. The machine measures

420 millimeters (mm) wide by 310mm deep by 100mm high and weighs 6.5 kilograms including HDD. There is no battery.

The firm will also provide a kit for current Mac users in Japan. The kit will become a laptop Mac by replacing the mother board from original Mac to the kit. The price of the kit is 380,000 yen or \$2,450.

The firm claims that the Taiwan firm purchases motherboards from Apple Computer of the U.S., and the replacement of the motherboards does not infringe copyright. The firm, however, refused to tell the name of the Taiwan firm and explained the reason as the Taiwan firm plans to market the machines worldwide by the most reasonable way suitable to each country's conditions.

(Naoyuki Yazawa/19900405/Press Contact: Information Factory Co., Ltd. Mr. Nakata, 03-344-6689)

TOKYO, JAPAN, 1990 MAR 31 (NB) — Apple Computer Japan has cut an average of 20 percent off its 22 Macintosh family products — the SE, SE/30, IIcx, IIx and IIci, and peripherals and memory expansion boards.

Apple has recently come under attack by Japanese consumers, who complain that Apple products are unreasonably high priced, and was also investigated by the Fair Trade Commission (FTC) under suspicion of pressuring parallel importers last year. Apple contends the price cuts are not due to any pressure from the FTC, but has to do with a new strategy to expand Japanese sales.

According to the price list offered by Apple Computer Japan, the Macintosh Plus Kanji model has been discounted 19 percent and costs 298,000 yen from 368,000. The other models are discounted an average of 10 percent while hard disks in the U.S. with that in Japan, there is no longer the large gap between the U.S. and Japanese prices.

(Naoyuki Yazawa/19900405/Press Contact: Apple Computer Japan, 03-501-5253)

From: Newsbytes

Message-Base: Newsbytes

Subject: UK: CLARIS BUNDLES ADOBE TM WITH MACWRITE & MACDRAW

NB-Office: LON

Location: UXBRIDGE ENGLAND

UXBRIDGE, ENGLAND, 1990 APR 07 (NB) — Claris UK and Adobe have teamed up to offer a bundling deal of Adobe Type Manager, Macwrite II and Macdraw II for UKP 500 (\$750). The deal effectively gives away a free copy Adobe Type Manager, which normally costs UKP 79 (\$120).

The bundling deal is being promoted as a special "sharpen your image" package by Claris, and is available in the UK from most Apple/Claris computer dealers until the end of June.

Announcing the promotion, Steve Johnson, Claris UK's managing director, said that Adobe Type Manager works well with Macwrite II and Macdraw II. "This is a risk-free way for our customers to investigate the benefits of Adobe Type Manager, which are immediately clear on screen and in printed documents," he said.

(Steve Gold/19900407/Press Contact: Steve Johnson, Claris UK - Tel: 01-756-0101; Sue Thex-

UXBRIDGE, ENGLAND, 1990 APR 07 (NB) — Apple UK has introduced a series of interactive learning courses for Mac users under the banner 'the Mac learning series.' The courses cost between UKP 59-95 (\$90) and UKP 69-95 (\$105).

There are five titles in the Mac learning series: basic Mac learning; Hypercard 1; Hypercard 2; Word 4 part one; Word 4 part two. The first three courses cost UKP 59-95, while the last two have a price tag of UKP 69-95.

To use the course packs, users need a Mac, printer and an audio cassette player. The packs, which include two audio cassettes, two floppy disks and a course booklet, can be obtained or ordered from most Apple UK dealers.

(Steve Gold/19900407/Press Contact: Frank O'Mohoney, Apple UK - Tel: 01-862-3028) 

FileMaker Pro

(Continued from page 1)

"We designed it to bring new power to corporate users and our large installed base and, because of its unrivaled accessibility, to grow the entire Macintosh database category."

Graphics Tools and Color for Professional Reports

FileMaker Pro provides unrivaled tools for quickly formatting the user's data into professional-quality layouts and reports. Using new features from Claris MacDraw II and Claris CAD, database reports and forms can be designed with great precision. For quick, precise placement of text and data fields within forms and other layouts, FileMaker Pro provides customizable gridlines and auto-alignment. The user can also create and place fields by entering their dimensions and exact location on the layout using the "Size" dialog.

The new "Zoom" feature allows users to view layouts at up to 400 percent and to use all editing capabilities at all magnifications.

On-screen and printed reports can now be enhanced with the use of color. For example, red entries can highlight negative values or past-due accounts.

Buttons And Scripts Simplify Data Management

The most innovative new powers within FileMaker Pro are Buttons and enhancements to Scripts, which allow literally any of the program's commands or series of commands to be automated. Experienced FileMaker Pro users will use Scripts to automate repetitive tasks, such as multiple sorts and finds; and they can create Scripts and Buttons which other users can select to navigate through the database.

Scripts allow the creation of an unlimited series of steps to automate even the most complex task, by use of a simple choose-from-list menu. For example, generating a month-end report which requires finding subsets within thousands of customer records, and printing out several different summaries, can be done by clicking on a named Script.

FileMaker Pro Scripts have several advantages over less flexible macro programming languages: they are easier to create and edit because of the simple choose-from-list approach. Scripts also allow users to build in "pauses" in the sequence to provide customizable "ad hoc" searches and sorts. And Scripts can also call other Scripts.

Anything can be a Button in FileMaker Pro. Graphics created with the program's extensive drawing tools, or imported from other graphics applications — such as MacDraw II — or text can all be Buttons. Users can define Buttons to select literally any of the menu commands available, or to run a Script of any complexity. For instance, a corporate user could design a "welcome screen" with a dozen graphical Buttons for inexperienced users (see photo). Clicking on a Button could open an existing or new layout, print a report, choose Help or initiate a Script for a complex find-and-sort task.

Major New Workgroup Powers

With its elegant powers for multiuser and network applications, FileMaker Pro vividly illustrates the advantage of the Macintosh in workgroup environments. Workgroups of all sizes can choose to share FileMaker Pro databases. Every copy of FileMaker Pro is "network ready," enabling any connected and licensed Macintosh to share data without the need for a file server.

New features within FileMaker Pro provide a complete set of workgroup administration features, all of which are accessible via a graphical workgroup-security dialog. By clicking on appropriate boxes, a workgroup administrator can add users to the workgroup, assign groups and passwords, and define password privileges. For instance, certain passwords might allow users to see only certain fields, or view and print, but not edit, layouts.

FileMaker Pro is the third Claris application to incorporate Claris XTND architecture (after MacWrite II 1.1 and Claris CAD 2.0). This means greater flexibility in reading and writing other file formats. Currently, FileMaker Pro can import graphics based on TIFF, PICT, Encapsulated PostScript (EPSF), and bit-mapped formats and, with Claris XTND, other file-format translators can be added.

Exchanging data between FileMaker Pro and other products, such as spreadsheets and other database managers, is simple. FileMaker Pro reads and writes tab-delimited, WKS, SYLK, .DBF, DIF, comma-separated, BASIC and Merge file formats. An innovative feature allows a user to determine in advance if importing data from, for example, a spreadsheet will put the right data in the right field and, if necessary, restructure the file for correct import.

FileMaker Pro is also optimized for sharing data within the emerging client-server world. New tools such as the Claris query technology will make it easy to download corporate data from servers to the desktop, for analysis and formatting using the strengths of the Macintosh. FileMaker Pro is an optimal solution for Database Publishing, combining the timely value of large amounts of corporate data with professional-quality graphical reporting, for catalogs, directories and other frequently published documents.

FileMaker Pro and the Claris Family

In addition to Claris XTND, FileMaker Pro includes many features that work the same across the synergistic Claris family of applications. These include a HyperCard-based Help system which can be customized and shared by Claris products; customized Help is especially important to corporate customers who want to provide their users with specially tailored Help information. The spelling checker and dictionaries are also shared by FileMaker Pro with other Claris applications.

Many drawing and graphics tools now work exactly the same (including same menu location and keyboard equivalent) among different Claris products. So once a user has learned a Claris application like FileMaker Pro, it is increasingly easy to be proficient with MacDraw II, MacWrite II, Claris CAD and SmartForm.

Interactive Tech Notes Based on FileMaker Pro

Corporate Software announced a new Macintosh version of its Interactive Tech Notes (ITN) support database that will be based on FileMaker Pro. ITN is a database of thousands of technical notes designed to help companies support hardware and software for Macintosh systems and other personal computer systems. These notes include general tips for maximizing productivity, helpful work-arounds for bugs and information about hardware/software compati-

bility. ITN increases corporate productivity by providing fast, accurate answers to the technical questions that arise when supporting end-users.

Pricing and Availability

The suggested retail price of FileMaker Pro is \$299, the same as FileMaker II. Registered owners of FileMaker II and FileMaker 4 can upgrade to FileMaker Pro for \$99; registered owners of earlier versions of FileMaker can upgrade for \$119. It will be available in June 1990.

Claris Corporation, one of the top two vendors of Macintosh software, is a subsidiary of Apple Computer Inc., and develops, markets and supports application software for Macintosh and Apple II computers. The company's product line includes Macintosh products for word processing (MacWrite II), graphics (MacDraw II), database management (FileMaker Pro), planning (MacProject II), computer-aided design (Claris CAD) and electronic forms processing (SmartForm Series). Claris has headquarters in Santa Clara, Calif.

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Members' Small Ads are FREE.
Please help us to help you.
Send your advertisements to us on a
disk, in Mac or Apple II text format.
We will return the disk, of course.
This saves us time, and avoids errors.

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We will return the disk, of course.
This saves us time, and avoids errors.

**WARNING: The sale of copied or pirated software is illegal.
Please ensure that items offered for sale are new or re-registered.**

FOR SALE

1. Apple 2c System complete with Apple Monitor, two 5.25" disk drives and side fan	£375 ono
2. ITT 2020 Clone. (cpu only)	£20 ono
3. Capital Clock II Card with Manual.....	£25
4. Super R Card	£10
5. Sunshine Apple II Eprom Tester/Writer	£25 ono
6. Dark Star Snapshot Card, all programs & manuals	£85
7. RF Adapter for IIc	£10 ono
8. Titan 128k Ram Card + Manual	£45 ono
9. Triumph-Adler trd 7020 daisywheel printer, manual	£45 ono
10. MicroStuffer Printer Buffer	£50
11. Various Software and games in original packing	Tel for details

WANTED

Urgently Wanted to borrow or buy:

- 1 S-C Macro Assembler by Bob Sander Cederlof
- 2 Disassembly Lines by Sandy Mossberg any volume

'Phone ALAN (anytime).....

URGENTLY WANTED

Tabs Software Security Interface Card

'Phone Trevor Francis (office hrs)

FOR SALE

For use with an Apple //e twin drive (5.25") system:

PISA (Presenters Interactive Slide Generator) software package together with:-

Digsolve VGP64 graphics box
Cotron Sword Hi Resolution RGB Colour Monitor
Micro Digi Pad (A3 digitizing tablet) and pen
plus appropriate interface cards — including Speedemon accelerator.

Hi-res colour display ideal for producing colour slides (using any standard camera to photograph the screen). Instructions for using the program appear on the Apple //e mono monitor while working with the tablet/colour display.

All in excellent working order. Cost over £3000.

Any sensible offer considered.

Will even think about silly offers.

'Phone Ivor Smith.....

WANTED

PRODOS version of Applewriter II complete with manuals.
Immediate cash available.

Cash Purchase: Book "Basic Programming with Prodos" or
any book on this subject. Will return within a few days if
necessary.

'Phone Graham (evenings)

FOR SALE

Apple //c system with //c monitor, //c monitor stand,
power supply, external disk drive, UHF modulator, Mouse
//c

£250

'Phone Gordon

Members' Small Ads are FREE.
Please help us to help you.
Send your advertisements to us on a
disk, in Mac or Apple II text format.
We will return the disk, of course.
This saves us time, and avoids errors.

Members' Small Ads

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We will return the disk, of course.
This saves us time, and avoids errors.

**WARNING: The sale of copied or pirated software is illegal.
Please ensure that items offered for sale are new or re-registered.**

FOR SALE

POLICE QUEST I - GS (as new)	£18.00
VISUALIZER GS (as new)	£40.00
APPLEWORKS 2.0 3.5" disks (as new)	£offers
ARCHON (as new)	£7.00
* WIZARDRY Knight of diamonds	£16.00
ALL ORIGINALS. Complete packages except *.	
prices include SPECIAL DELIVERY	

WANTED

POLICE QUEST II (GS)
SPACE QUEST II or III (GS)
Other Sierra games for GS
DUNGEON MASTER GS

EXCHANGE

possibility of exchanging above software
Phone Jonathan

FOR SALE

Apple II Items:	
Microsoft Z80 Softcard, CP/M, orig. manuals	£20
ALS Dig. Research CP/M C & Z80B, CP/M+, manuals	£20
SupR Terminal 80 col card and manual	£15
Videx 80 Col clone card	£10
PACT Colour card with instructions	£10
SSM AIO Serial/parallel card. California Serial card, ROMPLUS card	(each) £5
Robobistik graphics design precision joystick, s/ware	£20
SUPERCALC Spreadsheet for CP/M & manual	£12
Microsoft Fortran 80, new	£12
Owlterm Asynchronous comms. program and manual	£8
other software, manuals and books	(each) £3 - £5

Phone Bryce

FOR SALE

for Apple //e or IIgs:

1 PACE Colour Palette Teletext card (for high-res viewing data graphics)	£75
2 MicroPro "Superscript" wordprocessing program (5.25" disks) with dictionary	£25
3 Citizen (model: MSP-15) 120 Column Parallel/serial Dot-Matrix Printer	£85
4 MicroStar (model ND-15) 120 column Parallel/serial Dot-Matrix Printer	£95
5 Omnis 2 Program (database - 5.25" disks)	£50
6 Apple II Monitor (with added mesh anti-glare screen) + lead/cable	£50 o.n.o.
7 Inmac //e work station (in beige steel) (especially design to sit on top of //e to hold disk drives, modem etc., and monitor on the top)	£15
8 Teak Acoustic Cover for printer (with built-in electric fan)	£20 o.n.o.

N.B: (a) Will consider reasonable offers for all the above bought together.

(b) Will seriously consider exchange for commensurate value of any items above either "Thunderscan"; or IIgs copying program (with ICONS) to enable entire programs [not just files] on disks to be copied with, format from 5.25" disk drive to 3.5" drive complete.

Phone Gordon (after 6.30pm Mon-Fri)

FOR SALE

Roland DXY-888 A3 Colour Plotter inc. spare pens and paper MGM CAD-Cam Software	£300
Apple //e, 2x 3.5" Apple Uni drives, 2x 5.25" Apple drives, Apple monitor, Apple Accelerator card, Brother FHR35 Daisywheel printer + sheet feeder, ImageWriter, Appleworks, Applewriter and Omnis 3	£500 o.n.o.
Would consider p/exchange for SCSI hard disk for Mac.	

Phone John Summers (daytime)

(evening)

FOR SALE

These are all in very good to mint condition, being sold because I have moved to Apple Mac.

Apple // DOS 3.3 software (all with original manuals and disks):

Super Trace (Blue Chip Software). To debug Applesoft	£4
Modifiable Database (Synergistic Software)	£4
Big MAC (A.P.P.L.E.). Major macro-assembler/TED	£25
FDOS Creator (Wyland). Speeds up loading/saving	£5
The Designer System (Apple-Jack). Early hi-res graphics	£5
Expediter II (On-Line Systems). Applesoft Compiler	£20
Apple-Doc (Roger Wagner/Southwestern Data)	£7
Applesoft Command Editor (Southwestern Data)	£10
Disk Library (Modular Media). For cataloging disks	£12
Sensible Speller v.IV (Sensible Software). Exc. utility	£15
Applesoft Program Editor (A.P.P.L.E.)	£10
Soft-Step (Accent Software). Applesoft Debugger	£7
Symbol Symon (A.P.P.L.E.). Debugger - applesoft	£9
Utility City (Beagle Bros). 21 very useful utilities	£7
Program Global Editor (A.P.P.L.E.). co-res. line editor	£12
Applesoft Carpenter II (A.P.P.L.E.) 7 utilities	£12
Program Line Editor (A.P.P.L.E.). Co-res. line editor	£12
Ampermanager (A.P.P.L.E.). Ampersand utilities	£12
Soft Seventy (A.P.P.L.E.). Generate 70-column screen	£10
DOS Boss (Beagle Bros). Disk command editor	£7
AP File: (A.P.P.L.E.). Text file utilities	£7
Higher Text II (Synergistic Software). Text on either HiRes graphic screen	£5

Higher Graphics II (Synergistic Software). HiRes tools

Apple Mechanic (Beagle Bros). Utility with Tip Book 5

Alpha Plot (Beagle Bros). Utilities with Tip Book 4

Applesoft Tool Kit (Apple). The original, mint condition

Superbase (Precision Software). Manual/disk/cassette

Bag of Tricks (Quality Software)

Routine Machine (Southwestern Data). Excellent. Library of & utilities 3 books/disks

&CHART to use with Routine Machine

Database Toolbox (Southwestern Data). Database utilities to use with Routine Machine

£12

BOOKS:

Micro on the Apple Vol.3 (Micro Journal)

Using 6502 Assembly Language (Randy Hyde)

Apple II-6502 Assembly Language Tutor w+ disk. Mint

Beneath Apple Prodos (Worth and Lechner). Mint

Apple Graphics and Arcade Game Design (Stanton)

Assembly Language Programming for the Apple II (Motorola). Introductory

Inside the Apple IIe (Little). With disk. Mint

What's Where in the Apple? An atlas to the Apple Computer; and The Guide to What's Where in the Apple?

CALL-A.P.P.L.E. in Depth: All About DOS. The classic

The Best of Micro: 6502, Vol.3. Another classic

Phone Len Watson (evenings/week ends)

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AppleSlices

July 1990



A bi-monthly Newsletter from Apple2000 in its Anniversary Year 1980-1990

Issue 18

New Face at Cupertino

**Major victory for Apple II supporters
7-Year Apple Vet appointed Director
of Apple II product line.**

He says: *"Didn't take the job to sit
around and do nothing."*

Dateline: May 24, 1990

Ralph Russo, a seven-year Apple veteran, was recently appointed the director of the Apple II product line for Apple Computer, Inc. Thus, for the first time in several years, there is now one person responsible for the Apple II product line, including software, hardware and marketing. Russo's appointment fills a gap in the Apple chain of command that had been pointed out by a number of Apple II supporters, including the directors of the Apple II Developer's Association.

One of those directors, A2-Central's Tom Weishaar, had noted on numerous occasions that you had to go about seven levels down from John Sculley in the Apple organisation to find someone whose job was strictly Apple II related. That appears to have been cut by more than half: Russo reports to Don Casey, who reports directly to John Sculley.

(Personally, I consider this a victory for the Apple II Developer's Association, which will be just one year old in July, and for the "II Infinitum" campaign and other Apple II users who have been writing to Apple in support of the Apple II product line - Barney)

Russo was originally hired by Steve Jobs for the Macintosh development team. At various times he has reported directly to Del Yocum and Mike Spindler, so he has been no stranger to Apple's top management.

Russo's job now is to develop a strategy for the Apple II, sell the plan to Apple management, and implement it. In his new position, Russo will draw on resources from throughout Apple, and he will be in charge of everything for the Apple II: hardware and software development, and marketing.

In a conversation with Russo yesterday, he told me that he "didn't take the job to sit around and do nothing."

I told Russo that I thought the Apple II needed three things - advertising, new CPU's, and evangelism to bring third-party developers back to the fold - and that if any of the three were missing, Apple would be wasting their time and money. Russo said that he agreed.

I also told him that no computer could thrive as a "K-12 only" system, and that Apple had to market the Apple II to home, home office, and small business users. Again, he said that he agreed.

Russo made it clear that he knows about the sad state of the Apple II third-party community, about the need for old-style Apple evangelism to that community, and about the ill will that Apple has generated among some of its best supporters by neglecting the Apple II line for so long.

In short, this guy knows the score, and he's out to turn the game around.

With all of the mixed signals that have been coming from Apple lately, the appointment of Ralph Russo as director of the Apple II product line comes through loud and clear as a positive sign for "Apple II Forever".
o Barney Stone, Editor "II at Work" (The Apple II productivity newspaper.)

New UK PostScript Font

Our thanks to Hi-Resolution WizardWare, for allowing us to use their new "Bulldog" font for this newsletter.

We have used the Bulldog font for the body text, and the Bulldog Medium font for the headings — only the headline and address on this title page have retained their original font styles, for continuity. We'd be interested in your comments — we found the font easy to read (both on the screen and on paper), well-suited to our needs for this newsletter.

The font family of six weights retails for £280, and can be purchased directly from Hi-Resolution (0580 211194). Look out for our review of the fonts (and a special price for members?) in the August issue of Apple2000.



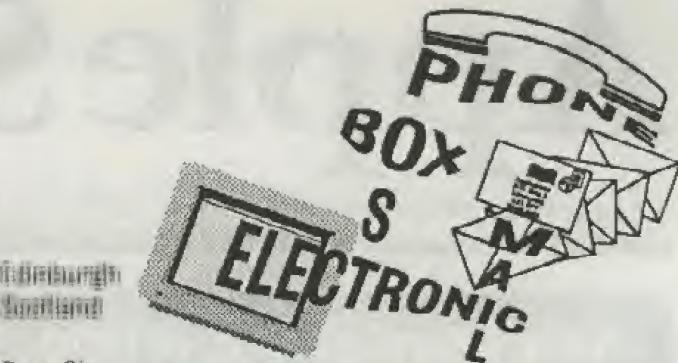
Display Electronics

Are you looking for that odd fan, monitor or disk drive. Do you need an obsolete memory chip or keyboard switch, or even a switch-mode power supply?

Display Electronics have a wide range of bits and pieces available. They specialise in surplus equipment and so have many bargains available from keyboards to complete systems.

Display Electronics issue a comprehensive catalogue and can be contacted on 01-679-4414 or you can call up their own Bulletin Board Distel and order direct.

Distel is on 081-679-1888 (300 baud), 081-679-6183 (1200/75) and 081-679-8769 (1200/1200).



Edinburgh
Scotland

Dear Sir,

I have been having a problem with FreeHand 2.02 while printing some documents to the LaserWriter. It seems to occur most often when using more than one typeface or when I wrap type around a circle or line.

Printing starts as normal and then either gives a 'PostScript Error' as it cancels printing, or even resets the LaserWriter at times.

Is there a cure as I seem to have done nothing more than the program allows?

I have been in the habit of preparing text that requires squeezing in FreeHand and exporting to PageMaker. Is there an easier way of doing this as my machine does not have sufficient memory to run both programs under MultiFinder?
Scott Freeman

There is a bug in FreeHand that shows up on the older LaserWriters or those with limited memory.

If more than one font is being downloaded to the printer, the whole thing siezes up and falls over itself. Even if you think you have only used one font, each separate text box may be seen as a different font when it comes to printing!

In most cases you can cure the problem by going to the 'Print Setup' menu and check 'Unlimited Downloadable Fonts' in the 'Options' setting.

I have also seen problems with documents that have been heavily worked upon. Deleted items, although invisible on the work area, seem to still be there in the file. In PageMaker you clean up a file like this by doing a 'SAVE AS', but this does not seem to work in FreeHand in the same way.

The deleted information prolongs the loading and printing process quite dramatically. As a simple and quick solution, try selecting all items and copying them to the Clipboard. Then open a New document and paste back the items into the blank page. Save down as a fresh and clean file.

FreeHand 2.02 is the current version of the program. An update is long overdue, but I understand we shall not see a new version till this time next year! Come on Aldus, you have an excellent program there, please give us a bug fix before then!

Your second question concerns squeezed text in PageMaker. The new PageMaker 4.0 of course allows you to do this directly. However, it is possible in PageMaker 3.0 to achieve the same effect by converting the text block into a Pict Graphic.

Select the target text block with the arrow tool and copy to the Scrapbook. Now 'Place' the Scrapbook back into PageMaker. You will see the cursor turns into an icon showing the number of items in the Scrapbook. You can now resize and crop the Graphic squeezing the text as you do so. **Editor**

Hard Drive Upgrades

If you are unsatisfied with your disk storage capacity, have you thought of upgrading the unit in your hard drive or Macintosh SE? If you are planning to build your own drive to save money have you been unable to locate the parts? Derek Hughes of SeaGale Software is able to help you on all counts.

Derek supplies Seagate drive units and power supplies and can even supply you with all the parts you will need to make a complete system. Derek can supply any size of drive from Seagate, but we checked with him recently the price of 3.5 drive units as fitted in many of the smaller boxes and of course the Macintosh SE.

Prices were correct as we went to press. All prices include VAT, but please add £10 for carriage.

Seagate drive units:

ST125N-0 40ms 20mb 3.5 inch £232.05

ST125N-1 28ms 20mb 3.5 inch £249.30

ST138N-0 40ms 30mb 3.5 inch £258.50

ST138N-1 28ms 30mb 3.5 inch £272.30

ST157N-0 40ms 40mb 3.5 inch £282.65

ST157N-1 28ms 40mb 3.5 inch £297.60

These drive units come without low-level formatting, so you will need to do this yourself. The SF&I program available from the Mac library will do this for you, but be warned it is not an easy task with this particular program.

The 40mb unit however should be a direct replacement in a standard 20mb SE and so we would assume that the Apple HDSC Setup program should recognise the drive directly. The Apple program does not generally recognise drives that Apple themselves do not use, but as they use both 20 and 40mb units and they do use Seagate drives in some of their boxes, we would assume there would be no problem.

Anyone owning a MicroNet hard drive can use the MicroNet Util.4.0m program that comes with their drive to low-level format any of these SeaGate units.

For the Apple II, all of the drives can be formatted easily on the SCSI bus with any of the formatting programs issued in the Apple II library. The 40mb unit would need to be partitioned however to get the full capacity available under P8.

For further details or to order a drive, contact Derek Hughes on 0695-573870



IIgs Price Drop?

As an update to our earlier report on this new alternative drive for the Macintosh and the IIgs, the new Applied Engineering drives are now in stock in the UK. This drive is a direct replacement for the Apple 3.5 drive in all respects. It has the same size and shape as the Apple drive and has the same footprint and connectors.

In one major aspect it is however different. Inside the AE unit is a Sony FDHD mechanism, the same one that is being used in the Apple SuperDrive. AE will be issuing an upgrade in the near future which will allow you to upgrade this drive to the full 1.44 mb SuperDrive capacity!

The current 800k version retails at £199+VAT and is available now from Bldmuthin Technologies. Contact Mark or Huw on 081-907-8516

AE 800k 3.5 Drive

From an anonymous source we are led to believe that Apple have at last dropped the price of the IIgs. The original price for the IIgs colour bundle was £1395 it has now a recommended retail price of £995. The IIgs currently being supplied has the new motherboard with revision 03 ROM. This board has the 1mb memory expansion built in and so the price drop is simply due to the fact that there is no need to sell this card separately.

Contact your dealer for his current price and mention the recent price drop from Apple!

Braille-Talk

MGA SoftCat have announced that they are now distributing Braille-Talk, from Computer Aids Corporation of Indiana.

Braille-Talk allows standard text to be translated into accurate fully contracted braille for embossing. Absolutely no knowledge of formal braille transcription is needed to effectively use Braille-Talk. With a speech synthesizer attached to the computer, all screens and messages can be read aloud. Built-in "Help" and a menu design makes BrailleTalk easy to learn and use. It is well suited for personal, school, or agency use.

The translator uses standard text files, and can be used with most word processor programs. Translation rules can be supplemented with up to 100 user exceptions.

Print option give full control over printer settings.

Information displayed on the screen is simultaneously spoken, including each key typed. A raised pitch indicates a capital letter. The rate of speech can be set at three levels.

The program is compatible with Apple //e, Apple //c and Apple IIgs computers (minimum 128k RAM); SlotBuster, all Echos, all Votrax's, DECTALK, InTex, and other speech synthesizers; MBoss-1, Personal Brailler and KMPB and LED-120 braille printers.

If you would like further details, please contact MGA SoftCat on 0797 226601.

Bridge v6.0

Bridge v6.0 is the latest incarnation of Artworx' classic bridge playing program. You and your computer partner bid against two computer opponents and then play out the hand. Either partnership can take the bid and an unlimited number of hands can be played.

The bidding and play routines have been significantly improved over the previous version and many new convenience features have been added to further refine the program. Bidding is five-card major and utilises the Stayman and Blackwood conventions. Upon request, Bridge v6.0 will deal an opening hand of up to 25 high card points. Interesting hands can be replayed at any time. When asked, the program will make a bid or play a card for you using its auto-bid and auto-play features and you can enter your own hands and save them to disk (this facility not available on the Apple 11 version). The program can play either contract or duplicate bridge. When in contract mode, the program keeps score and takes into account partial scores when bidding. The duplicate mode deals the same hand twice, switching positions to allow the user to play both offence and defence and scoring both. Bridge v6.0 is the ideal way for the novice to improve his or her game, and for the more advanced player to get into a game without having to round up three additional players.

PRICES:-

Apple Macintosh [512K] £39.95

Apple 11 [48K] £34.95

All Prices include VAT, and UK P&P

If you require further details, please contact MGA SoftCat on 0797 226601.

Apple embraces Claris

Apple's original plan to float Claris is now officially dead, as they have taken back full financial control of their software subsidiary. Claris was created in 1987 in an attempt to placate the independent software vendors, who were worried by the close association between software and hardware development at Apple.

Originally, Apple retained an 82% share of Claris, with an option to buy the remaining 18%. The two companies claim that the success of the venture is one of the main reasons for the recent change of tactics, but the decision by Apple to take back full control of Claris will undoubtedly have strong repercussions — both internally and externally.

Apple insist that the decision to take back control of Claris will make the software company more competitive in the software arena. Apple are putting out assurances that they will not create a software monopoly, and that some areas of development will be left entirely to third parties.

Part of the reason why Apple created Claris in the first place was to placate the anxieties of third-party software developers who complained that Apple was monopolising the Macintosh applications market — so it will be interesting to see the reactions of those software developers to this latest piece of news.

Latest Press Releases from MGA SoftCat

Space Flight Simulator

MGA SoftCat have announced that they will be distributing ECHELON when it becomes available for the Apple II — and this is promised soon. The following is a reprint of their press release.

ECHELON is a true 3-D space flight simulator that puts you at the controls of the C-104 Tomahawk and in the heart of the action.

You'll experience the excitement and thrill of real spaceflight through superb three dimensional graphics. But before you go exploring on your own, it would be wise to go through the carefully designed training simulator.

These rigorous courses will develop your skills in manoeuvring the spacecraft, accurate selection and use of weapon, control of RPVs, object retrieval and refuel and docking procedures. Developing these skills are essential to your survival when encountering hostile enemy spacecraft or exploring unknown terrain.

Its attributes include:-

- 4 different "State of the art" Weapons Systems
- Bi-directional Transporter unit
- Unmanned RPV (Remote piloted vehicle!) Control
- Anti-Gravity Braking and hovering
- Forward and reverse thrusters
- Twin 3 D Screens
- Real-time Infrared vector graphics
- Non Real-Time Computer Enhanced Graphics
- Computer Assisted control Systems
- Computer Information Data Link
- On Board Sub-Atomic Analyzer/decoder
- Voice Activated control Button

COMING SOON TO THE APPLE II — for further details, contact MGA SoftCat on 0797 226601.

Map-Reading Software

"Jenny's Journeys" is a software program to help develop thinking skills & map-reading basics for either home or school education. Available for the IBM-PC or Apple II, Jenny's Journeys provides a realistic interactive simulation of the challenge of driving a car in a city from one location to another while reading a map.

The screens used in the program are detailed and colourful, adding realism to the simulated journeys. The illustrated support manual provides maps and suggested activities.

Driving an automobile to some given location in Lake City provides students with a realistic challenge of successfully reading and using maps. In each of the programs, students need to study the map and their position on it. The program will then give them a destination that they must first locate on the map and then travel to. In their journeys, they will move from intersection to intersection along marked streets.

This package provides a realistic interactive simulation of the challenge of driving an automobile in a city from one location to another while reading a map.

Price for the Apple II version is £29.95, incl. VAT.

Available from MGA SoftCat on 0797 226601.

Word-Talk

Word-Talk is a full-featured word processing program that uses synthesized speech as well as the screen. Each key typed can be spoken aloud. Text can be read back in full words, lines, or complete screens. An entire document can be read from start to finish.

Built-in "Help" and a menu design make WordTalk easy to learn and use. Well suited for student, professional, business, or agency use.

Full 80 column by 24 line formatted screen. "What you see is what you get" design. Simple insertions and re-formatting available with Cut and Paste commands.

Page numbers can be placed anywhere on the pages along with running headers and footers. Imbedded printer commands for special print modes such as underlining, bold face, super, and subscripts.

Information displayed on the screen is simultaneously spoken, including each key typed. A raised pitch indicates a capital letter. Text can be reviewed letter-by-letter, word-by-word, line-by-line, by full screens, or the entire text can be read aloud.

Compatible with Apple IIe, Apple IIc, Apple IIgs computers (minimum 128k RAM); SlotBuster, all Echos, all Votrax's, DECTALK and InTex speech synthesizers; Qume, Xerox, Transtar, Brother, Epson, ImageWriter, OkiData and other printers.

Sports Scheduler

SPORTS SCHEDULER is a powerful and simple to use program that solves a common problem dealing with all sports — SCHEDULING. This program will schedule any sport: baseball, football, hockey, tennis, basketball, etc.

SPORTS SCHEDULER is designed for the individual who is assigned the very important and complex task of scheduling teams and facilities so that players, coaches, referees, time-keeper and spectators all show up at the correct time and correct place.

SPORTS SCHEDULER produces a schedule for an entire season in just a few short minutes. The completed schedule may be viewed on the screen, printed, and then saved on a "STORAGE" disk in either ASCII or DIF format for later use in a word processor or spreadsheet program.

SPORTS SCHEDULER will schedule any league with 4 to 22 teams, including leagues with an odd number of teams.

SPORTS SCHEDULER asks the user for information in a logical manner and produces a pure schedule from the starting date through the total number of sets requested, up to 231 games.

SPORTS SCHEDULER automatically calculates all the required dates, schedules from one year into the next, allows for leap year, and will schedule up to the year 2084 once a correct season start date is entered. SPORTS SCHEDULER will schedule leagues with an even or an odd number of teams.

Required equipment: Apple IIc, IIgs, IIe w/128K and 80 column card, one 5.25" disk drive.

Special introductory price: £89.99 (Regular £119.95)
For further details, contact MGA SoftCat



Kodak Colorsqueeze for the Mac II

Colour is a prodigious memory-muncher. A 5" x 7.5" colour image at 300 dpi requires over 13 megabytes of storage. Convert a 35 mm slide to a full-page colour picture and you need an astounding 34 MB. Even small 24-bit colour files can quickly gobble 2 MB.

Modem your image and your phone bill may come by truck. A measly 1 MB file sent at a brisk 2400 baud can take about an hour and fifteen minutes to transmit. Obviously, colour is not a game that memory-misers could play.

Eastman Kodak Company has just announced the release of KODAK COLORSSQUEEZE image compression software, a package listing at \$179.00 that can greatly reduce image storage and transmission costs.

KODAK COLORSSQUEEZE can reduce 24-bit PICT and TIFF files up to 50 times. Even higher reductions can be achieved, depending on the amount of detail in the image. Reconstructed files can be saved in PICT or TIFF formats, or copied to the Scrapbook or Clipboard.

Since adjacent pixels in an image contain the same information, or change gradually in predictable ways, this redundant data can be compressed without serious image degradation. The human eye has a role here, too. We are most sensitive to horizontal and vertical lines, and perceive diagonal lines less clearly. Kodak engineers designed this software to take advantage of these factors, using a compression algorithm known as "discrete cosine transformation."

It is almost impossible to distinguish between an original and a reduced image reconstructed from 10:1 compression. Most people can't tell the difference between an original and a 25:1 image. Even at higher reductions, you won't notice any loss of viewing quality with most images.

At various compressions, a typical 768K image file is reduced to between 15K and 154K. A 3.5" disk that could previously store just one non-compressed image can now hold up to 65 of the compressed Kodak ImageCompression files. An Apple FDHD drive and 1.44 MB disk could store up to

115 such files. There are obvious savings here. And the data contained in the compressed file format supports the emerging Joint Photographic Export Group (JPEG) international standard. Kodak is a member of the JPEG committee.

File processing is fast, and Kodak envisage that most users will want to use KODAK COLORSSQUEEZE routinely for archiving or backing up colour images. A typical 768K image file can be compressed in less than forty seconds on a standard Macintosh IIcx computer. Faster models, like the new Macintosh IIfx computer, can accomplish the same task in less than half the time.

Hard drives can store multiple compressed files and deliver fast access. And these compressed files include information that allows them to display a small "thumbnail" of the image. Users can quickly view a series of images before selecting one to reconstruct. Kodak expects applications developers to use the compressed file's thumbnail information for positioning in desktop publishing packages or for image database applications. The program runs under Macintosh system 6.0.3 or later, and future releases of this software will have internal "hooks" to allow other packages to tightly integrate with the utility under the upcoming release of Macintosh system 7.0. By conforming to Apple's Interapplication Communications (IAC) standards, Kodak will pave the way for applications developers to use KODAK COLORSSQUEEZE to compress and uncompress images as their products need to do so.

Hardware Requirements: Macintosh II computer, or later, running under System 6.0.3 or later. Multifinder Compatible, with a minimum of 768K allocated to this application.

Compression Ratios: Low, medium and high; user-selectable. Ratio varies with specific image.

Opens PICT, TIFF and Kodak Image Compression files; saves 24-bit PICT, TIFF and Kodak Image Compression files; copies to Scrapbook and Clipboard.

Reproduced from Resources magazine.



CDSC Shortages

When the Apple CDSC CD-ROM was introduced, it sported a high price tag, and was selling too slowly for Apple's liking — so a price reduction was announced at the beginning of the year.

This seems to be a favourite tactic of the Company, but they've got it wrong again, because this price reduction has caused a two-month back order situation. This is making developers mad — after all, at the Developers' Conference in the USA, Apple gave the attendees pre-release copies of System 7.0 on a CD-ROM.

Now, instead of waiting for Apple to get their act together, many developers are turning to Third parties to supply them with CD drives.



PC User Group

Many of our members also use IBM PC's, or compatibles. A group similar to our own was established some time ago, and (like ourselves) relies on members' subscriptions to fund its activities.

The PC Independent User Group is a non-profit making club owned by its members, and run by volunteers. If you are interested in joining, contact them at the address below:

PC INDEPENDENT USER GROUP

The Computer Advice Centre,
87 High Street, Tonbridge,
Kent, TN9 1RX

Telephone: 0732 771512; FaxLine: 0732 771513

Bulletin Board: 0732 770539; Baud Rates 300 to 2400



Press Releases from Aldus UK Ltd

Aldus UK Limited have announced the shipment of three products new to the Aldus range: Aldus SuperPaint, Aldus Super 3D and Aldus Digital Darkroom.

These Silicon Beach-developed applications have undergone the localisation process to become fully supported Aldus International English products. Registered users of these products are promised full and ongoing technical support, regular product and company information, free updates (the minor amendments to products between upgrades), advance news of important upgrades and direct access to the Aldus sales and support network.

Existing users of Silicon Beach versions of these products should post or fax their proof of purchase and contact address details to the Customer Services department, Aldus UK Limited, 39 Palmerston Place, Edinburgh EH12 5AU. They will then be added to the database of registered Aldus product users.

These three new products are available through Aldus' normal Apple Macintosh software sales channels, which includes distribution to Apple dealers by Aldus UK Limited and by Principal Distribution.

Aldus SuperPaint version 2.0 offers both painting and drawing tools in one package and costs £160 + VAT; Aldus Digital Darkroom version 1.0 is a sophisticated monochrome TIFF manipulation package and costs £325 + VAT; Aldus Super 3D version 2.0 is a three dimensional modelling package and costs £399 + VAT. Details and availability of Aldus SuperCard version 1.5, the full colour hypertext and hypermedia package, will be announced later this quarter.

Aldus UK Limited have launched their prepress technology colour separator package Aldus PrePrint. The launch was supported by Mike Templeman, Aldus Fellow and co-founder. As the original lead programmer of Page-Maker, Mike has a wide range of experience in the use of electronic methods to produce published documentation from the desktop. As the main focus behind the development of OPI, the Open Prepress Interface standard and Aldus PrePrint, Mike understands the many benefits to be gained from using these electronic tools as part of the publishing process.

The launch event was held in Aldus UK's new London offices in Richmond Road, Old Isleworth.

For further information on Aldus PrePrint contact Caroline Walsh on 081 748 3865.

Microsoft have launched Windows 3.0, a much enhanced version of their graphical interface. In order that users of PC PageMaker can update their version of Windows to obtain the benefits of the new program, Aldus will be releasing a minor

upgrade to the program. PC PageMaker 3.01 will run under the protected mode of Windows; allowing our users to benefit from the improved memory management, and thus run PageMaker more quickly. Many of the filters have also been updated in a similar fashion.

Due to the fact that Microsoft do not intend to release a Runtime version of Windows 3.0, Microsoft will upgrade all copies of Windows 2.0 Full and Runtime for a cost of £45.00+VAT.

Please contact Microsoft directly on 0734 890345.

The PageMaker 3.01 upgrade is available free to all registered users who purchased AFTER the Microsoft announcement. The cost if purchased before May 22 is £20.00+VAT.

Aldus have announced that PageMaker 4.0 includes 75 new features including Story Editor, Spell Checker, Text Rotation, Table of Contents and Indexing.

Retail Price of PageMaker 4.0 = £695.00 +VAT.

The price structure for upgrades is outlined below:

Version Number	Excl. VAT	VAT	Total
PageMaker 3.5 to 4.0 Purchased before 7/2/90	£75.00	£11.25	£86.25
PageMaker 3.5 to 4.0 Purchased after 7/2/90	£120.00	£18.00	£138.00
PageMaker 3.0 to 4.0	£120.00	£18.00	£138.00
PageMaker 2.0 to 4.0	£245.00	£36.75	£281.75
PageMaker 1.2 to 4.0	£245.00	£36.75	£281.75

If you want to upgrade, you must quote your serial number for PageMaker. This begins with 02 and is only on your original box, on the inside cover of the user manual and on the back of the install/program disk — it cannot be found on any subsequent upgrades.

When you upgrade to PageMaker 4.0 you will in fact receive a completely new product.

Multilingual Dictionary

Also available from the end of July will be the set of multilingual dictionaries which includes French, German, Swedish, Italian, Spanish, European Portuguese, Dutch, Norwegian and Danish. These will be available directly from Aldus UK Limited at a cost of £49.00 + VAT and can be obtained by quoting your serial number.

The British Legal and British Medical Dictionary are already included in PageMaker 4.0.

In order to upgrade, or to purchase the multilingual dictionary, please contact The Sales Desk at Aldus UK Limited, 39 Palmerston Place, Edinburgh, EH12 5AU.

Press releases reprinted, courtesy of Aldus UK Ltd.



Education Prices Reduced

Apple UK have announced reductions in the educational prices for the Macintosh Plus, to encourage the use of Macs in education. The new prices are as follows:-

Product	New Price (Education)	Old Price (Education)
Macintosh Plus computer	£475.00	£695.00
Macintosh Plus & 40MB HD system	£865.00	£1,182.50

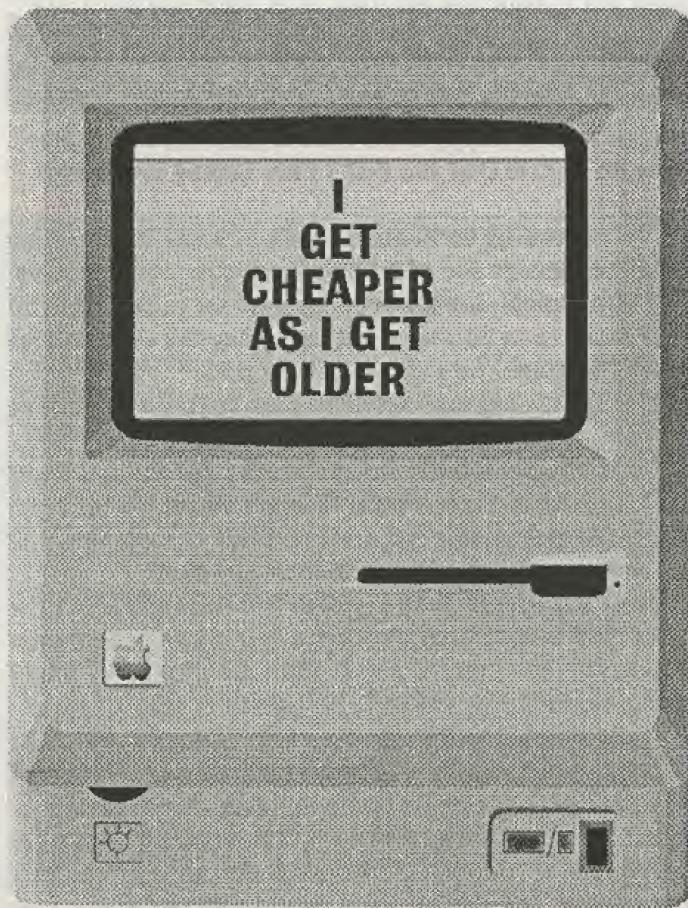
These prices are exclusive of VAT. This means that a stand alone hard disc system is available to education for under £1,000 including VAT.

Incidentally, the comparable (educational) price for a Macintosh Plus in the USA was 'on offer' at \$649, last month!

The Macintosh Plus computer includes monitor, keyboard, mouse, system software and HyperCard. Owners of the Macintosh Plus will be able to run System 7.0 software (when it becomes available), with an upgrade to 2 MB of memory.

We do not have details of the criteria which determines whether a person (or institution) is eligible to take advantage of the educational discount. If you think you may be eligible, ask your local Authorised Apple Education Dealer for details.

Apparently, Apple are also having a summer promotion aimed specifically at the education market. If you require further information, contact your nearest authorised education dealer or telephone 100 and ask for Freefone Apple. 



stopWatch



The timing & logging utility

Hi Resolution WizzardWare announce the release of stopWatch version 3 - the indispensable timing and logging utility for all professional Macintosh users.

stopWatch satisfies the need of people or companies to account for the time they spend on their Macintosh. By providing flexible lists of clients, projects and activities, time spent can be assigned to the appropriate job.

stopWatch models the way you work - every client has its own list of projects, and both clients and projects can be created or removed. A separate list of activities, each with an associated hourly rate, provides additional information, including the actual value of the work whenever a log is made. Since work is often interrupted stopWatch can be requested to pause automatically after a set period of time.

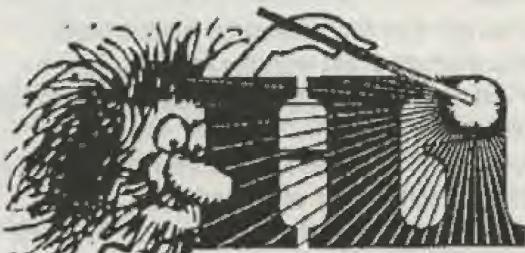
The logged information is collected into an audit file. This tab-delimited text file can be opened by any word processor, read into cells by spreadsheets, or imported into a database. File contents include date, time, value, client, project, activity, comment, user name, and application.

A summary file allows you to collect invoicing information - the total value of time logged to a particular client or project is written together with the date.

A single copy costs £99 and a '4-pack' £260. Existing stopWatch users can upgrade for £20.

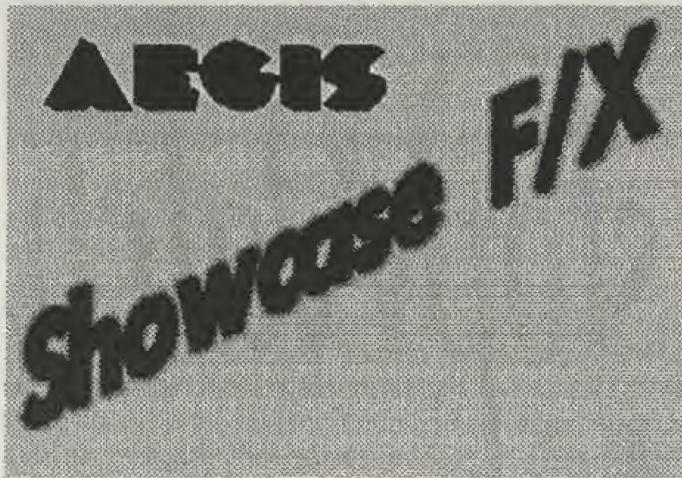
For further information contact:

Hi Resolution WizzardWare,
4 Smallbridge Cottages,
Horsmonden, Kent, TN12 8EP.
Telephone / Fax: (0580) 211194.



Resolution
WizzardWare





MGA SoftCat have announced that they are now selling Showcase F/X, a Title Animation and Presentation Software package for the Macintosh II from Aegis Development, Inc.

Aegis claim that 'no other program for the Macintosh II can create effects like Showcase F/X' — we have reproduced their Press Release, below:

Add new dimensions to business presentations and desktop video productions with Showcase F/X. This powerful title animation and presentation system gives you complete creative control of fonts and bit-mapped graphics. Create business presentations and desktop video productions with powerful special effects and dazzling animations. Add animated titles to your video productions. Enhance any PICT file format image with extra-special type styles. Design product information sheets, logos and advertising layouts with unique font effects and headlines with impact.

- Any Macintosh font can take advantage of a multitude of special style and colour effects. Make any font a colour font!
- Includes new, metamorphic "Poly fonts." Skew, stretch, drag and display them upside-down or mirrored vertically or horizontally. And, your animations can include Poly font transformations!
- 20 different font effects from which to choose including 3D block, outline, neon, emboss, star, spread, cross, offset edge, border outline, horizontal and vertical spreads, and more.
- Modify existing effects to create your own unique typestyles.
- Design your own shadows with depth, style and colour controls.
- Choose any size font, including custom sizes.
- Create animated text with the ANIM™ recorder.
- Any text can be animated and played back at up to 60 frames per second.
- Import any PICT file format picture for enhancement with Showcase headlines or animated text.
- Quarter, invert, mirror, compress, or duplicate backgrounds either horizontally or vertically.
- Use special tiling, perspective, and image twisting effects to create unique backgrounds.
- Complete colour control of any of the four pens that make up a font.

• Freehand drawing tools, filled and unfilled shapes, and 121 different patterns are available to create unique graphic effects.

• Use Showcase F/X with a genlock device and fill text with a video image, or place text over a video image for titling.

Hardware Requirements:

Macintosh II computer with 2 megabytes or more of RAM and a colour graphics card. A hard disk drive is highly recommended but a dual floppy drive can be used.

Hardware Options:

Genlock, NTSC video board, large screen monitor, VCR, laser printer, scanner, film recorder, video camera.

Software Options:

Any program which generates PICT files such as MacDraw™, PixelPaint™, Cricket Presents™ and PowerPoint™.

MGA SoftCat's price for Showcase F/X is £295.00 including VAT and p&p. Contact them on 0797 226601.



Floppy disk Lifespan

I heard that floppy disks have a shelf life of 3.5 years. How do I know that the disks I am buying are fresh?

According to Scott Homma of Sony Corporation USA the storage life of 3.5" floppy disks are as follows:

1) Mechanical components- (plastic parts, metal parts) last more than 20 years, estimated by the experiences from the magnetic recording industry.

2) Magnetic sheets-last more than 10 years, estimated by experiences of the floppy disk industry since 1980.

From an operational viewpoint, the durability of 3.5" floppy disks last more than 18 years as concluded from using the disks under normal conditions (assuming that we use the disk about one hour every day).

Scott points out that the disk life depends upon the condition of the floppy disk drive and the environmental condition. For instance, a malfunctioning drive might make the disk life shorter. So basically your disks are fine and will last quite a long period of time. I do strongly recommend however, to always back up important files whether on hard drive or floppy disk. For a variety of reasons (technical as well as human error) files can get corrupted or accidentally deleted, etc. Better to be safe than sorry. (Reprinted from Resources magazine.)



Snippets of News - from Resources magazine

Resources is the magazine of the San Diego Macintosh Users Group (SDMUG). We regularly exchange magazines, and we'd be happy to pass on their address to any members of Apple2000 who are interested in joining SDMUG.

We have reproduced, below, a page of news items from their July 1990 issue.

Insignia Solutions of Soft PC fame has a new program in the works. Code named Wizard, it reads DOS disks from a wide range of disks. It will be released on July 15th and sell for \$89.95 at first.

Apple has dramatically cut its prices for the educational market. With large purchases, some school districts can buy a Plus for \$649, \$1,024 for a two-floppy SE, \$1,129 for a 20 Meg SE and \$1,750 for a SE/30.

Apple is finally taking orders for A/UX 2.0. The package costs \$795 on CD-ROM or \$995 on floppies or \$995 on tape. To upgrade from previous versions costs \$275 on CD-ROM or \$395 on tape or \$550 on floppies.

Jasmine is slowly recovering. They are now shipping repaired drives back to owners.

Interesting squabbles between Adobe and Apple. Adobe reported lower than expected earnings in the most recent quarter. They blamed it on decreased royalties from Apple. Apple responded that their royalty payments were not the cause. Adobe then re-released their earnings statement with higher figures. Is somebody at Adobe trying to get back at Apple?

Ashton-Tate is at it again. They are talking of a port of RapidFile from the PC to the Mac. Also of a follow-on to dBASE Mac. Their timeframe is 12-18 months!!

Agfa CompuGraphic Corp has released 4 new collections of fonts for the Hewlett Packard DeskWriter. No details of which fonts.

A new Trojan Horse program has appeared. Called Steroid, it is an INIT and supposedly speeds up QuickDraw graphics on the standard 9" screen. However, it will erase any mounted volume when run after July 1st.

Mainstay has upgraded **Capture** to version 3.0. This screen snap-shot utility allows users to copy monochrome or colour screens to the clipboard or to a PICT file. Registered owners can upgrade for \$15.

Orange Micro has released a new version of their Mac286 DOS board for the Mac II. The board now fits in one slot and retails for \$1,599. It gives full PC-AT emulation and supports

up to 4 MBytes of Extended Memory. Owners of the two board system can upgrade for \$699.

Microsoft has released a minor upgrade to Word Version 4.0B fixes some ATM ImageWriter problems and Mac IIci and Mac IIfx problem. The upgrade is free to those needing it.

Rumours

Strange little thing. At the developers conference version 2.1 of HyperCard was mentioned as coming with System 7.0. In the released audio tape of the talk, that short little statement was removed!!! Why?

Steve Wozniak is spending more time at Apple. Some talk that this may be related to the **Apple II** capabilities of the new educational Mac.

Two new Econo Macs are due in October. The first looks like the Plus with modified SE ROMs. It comes with 1 Meg, but memory upgrade is by a memory card, not SIMMs. It will also sport a new name. The second machine will be in a case similar to the Apple IIGS and have a 20 MHz 68030. It will use the IIfx ROM and SIMMs.

Another new machine is **due out** in January. It will also be housed in a IIGS like box, but with a 25-MHz 68020 CPU. One option for this machine will be an **Apple IIe** emulation board. It supposedly has the RAM soldered onto the motherboard.

Microsoft continues to have problems with their core DataBase code. Codenamed Omega, it has been sent back into development. Supposedly they will issue both PC and Mac applications using the core code - sometime.

A new version of **MacDraw II** has been seen. They are adding presentation capabilities like Persuasion and PowerPoint, improving the text processing capabilities, and giving it the XTND interface common to other Claris products. It is not expected before the end of the year.

Apple is seeing a weakening of external drive sales. They may choose to cease selling them.

Apple is working closely with Conner Peripherals on 1" drive technology. They are expected to show up in Apple's new products this Fall.

Apple is playing around with an Ink-Jet printer. They are being hurt by sales of the HP DeskWriter. Plans are for release in the summer of next year.

A settlement may be in the works between Apple and Microsoft. Rumours of a token \$50 million payment by Microsoft to Apple to settle it. Now that all the Xerox charges have been dismissed and Windows 3.0 released, it might be best to end it. Do not be surprised if the money flows back to Microsoft when the AppleSoft BASIC license comes due. 



Press Releases from Studio Box

The first showing, at the Electronic Publishing Show, of three remarkable new products from Studio Box confirms the Reading-based Company's position as one of the UK's leading specialist suppliers of equipment and software packages for graphics and newspaper design.

Heading the list of world-wide launches is the company's own specially designed graphics keyboard for the high-end keyboard user.

Also to be seen for the first time will be TypeStyler, a versatile software program developed for graphic designers, desktop publishers, and business users.

The third product to receive its UK launch will be the 2.1 version of the best-selling Multi-Ad Creator, the innovative "smart" software package for designing and laying out of ads and artwork of all kinds, now enhanced to make it equally suited for the newspaper designer.

Studio Box is the exclusive UK distributor for all three products.

The keyboard, named the "SBX Professional" was designed to Studio Box specifications which we based on the company's vast experience with graphics and design software packages. The 125-key keyboard is colour-coded as to design and layout functions, especially for newspaper, and utilises capacitive technology. It comes bundled with QuickKeys to provide facilities to programme specific requirements to a single keystroke.

The SBX Professional has a sculptured key array, N-Key rollover, adjustable feet, and it meets the 30mm DIN height requirement. It has a keyswitch life of more than 200million operations.

The SBX Professional sells at £249.

TypeStyler enables users to bend, squeeze, stretch, twist, and rotate text and easily to customise any attribute of a type style. In addition, text can be styled by adding perspectives, shadows, shades, inlines and outlines, patterns, and colours. The program includes a tool to create custom backdrops for your creations at the click of a mouse. It can export shaped text as Adobe Illustrator outlines. It imports and exports EPS and PICT File formats and is compatible with page-layout illustrations and drawing applications, including Adobe Illustrator '88, Drawing Table, PageMaker, Quark XPress and of course Multi-Ad Creator.

TypeStyler can deliver crisp, professional output on either QuickDraw or PostScript printers! TypeStyler gives PostScript-like effects on non-PostScript devices. It allows Automatic or Manual Kerning and Leading plus Variable Letter and Word Spacing.

Ten AGFA Compugraphic typefaces are installed as Smoothfonts on the disk, but almost any other typeface can be adapted, including Postscript Type 1 or 3 fonts.

Characters can be filled with 64 shades of grey, 126 editable patterns, 256 colours, gradient and radial fills, and dual blends. Among its other features are the ability to create and modify perfectly circular text, with any diameter, arc, or height; the ability to bevel, mitre, and round corners; and the overlapping of text, either from left to right or from right to left. A further 10 SmoothFonts are available for just £50.

TypeStyler will run on a 1 megabyte Mac Plus, although 2 megabytes are recommended. TypeStyler is priced at £175, directly from Studio Box Ltd or from dealers.

Greatly enhanced, the 2.1 version of Multi-Ad Creator now meets the uniquely sophisticated text and graphics-manipulation needs of ad and brochure designers. It now includes such features as style sheets and style models for automatic control of virtually all text material in a layout, advanced copyfitting capabilities enabling users to size and scale type to a pre-determined area of layout, and enhanced object manipulation capabilities including the ability to add colour to any imported graphic object.

Also, 2.1 has improved colour capabilities, including under-colour removal, grey-component replacement, the ability to intermix spot and four-colour separations within the same layout, and the ability to four-colour separate 32-bit colour images.

Other features include spell checking, dictionary-based hyphenation, a built-in thesaurus, the ability to smooth and reshape polygons, and the ability to store layout information that will permit the addition of important pre-press information to a layout.

Multi-Ad Creator is priced at £695, but for purchasers at the show the special price is £550. Those who have previous versions (1.0, 1.1 or 1.2) will automatically receive a free upgrade, if they are registered users.

"These three exciting new products are the result of our intention to service the graphics and the newspaper markets," said Adrian Goodman, a director of Studio Box. "Our target is to provide products of the highest possible standard", he said, adding "Our combined experience and skills are in the graphics arena and we believe that this type of specialisation will become the norm in the DTP market where the growing complexity of products is making specialisation essential."

Studio Box specialises in mutually supportive products for graphics and newspaper design. It provides technical support from its own team of graphics specialists, who use the products in a day-to-day bureau environment.

Enquiries should be directed to Adrian Goodman, Studio Box Ltd, 61 Southampton Street, Reading, Berks, RG1 2QP; Telephone, 0734-5022556.

Colour Video Digitiser

Magnifeye has announced the launch of Screen Machine, an add-in board for IBM-AT or compatible PCs and the MAC II range. Screen Machine digitises images from any video source in real time and true colour. Together with the board comes a software package which allows the user to capture, store and edit the images.

The system can record images from any video source (VCR, still video camera, videodisc player) in real time. With a geographical resolution of 680 x 512 pixels and a colour resolution of up to 16 million colours professional-quality is achieved.

A programmable user interface for C and Pascal is provided.

The hardware and the software running under MS-Windows will be offered at less than £900, shipping expected this summer. No mention, yet, of Mac prices and dates.

Magnifeye, 235-239 Walmer Road, London, W1 1 4EY.

Tel: 071 221 8024 Fax: 071 792 3449.



Spectrum Holobyte News

It seems that they have much more fun with promotions, in the USA!

Five lucky winners won 4-day trips to San Francisco in Spectrum Holobyte's "Drive a Vette Through the Streets of San Francisco" Sweepstakes. The trips for two people included air fare, hotel and use of a Corvette during their stay.

The Sweepstakes was a promotion for Spectrum Holobyte's VETTE award-winning street racing simulation. VETTE! is the first driving game that lets players compete by racing through an accurately mapped city. When one winner arrived in San Francisco he said, "I've driven these streets so often in the game, I don't even need a map."

VETTE! is currently available for the IBM with a suggested retail price of \$49.95. The Macintosh and colour Macintosh II version will be packaged together and released late this summer.



45Mbyte Cartridges

A new addition to the range of products for sale from Shop2000 is a 45Mbyte removable cartridge, for use with the Syquest-based removable media drives.

The cartridges are now in stock, and will be selling for £90, including carriage and VAT. Orders can be placed by any of the usual methods — i.e. by post, 'phone, fax., TABBS or the FORCE.



Access



Shop2000
Apple2000
P.O. Box 3
Liverpool
L21 8PY

VISA

New ALSoft Distributor

ALSoft, Inc. — developers of utility software for the Macintosh — have just appointed SoftLine as distributors of ALSoft products in the U.K.

DiskExpress II is the newest, fastest, safest way to optimise any hard disk. Each time you use your Mac, fragmentation pushes parts of files here, there and everywhere. Pretty soon your hard disk slows. DiskExpress II gives you everything you need to get it back up to top speed and make sure it stays that way!

From the moment it's installed, DiskExpress II starts to defragment and optimise your hard drive whenever your computer is idle, or at your request.

Whether you are a single user or part of a network, DiskExpress will make a big difference. RRP £65

MasterJuggler provides you with unlimited access to fonts, DAs, FKeys and sounds without installing them in your System. MasterJuggler also allows you to open applications or documents from a list or pop-up menu, assign sounds to seven different system functions and save valuable disk space by compressing font and sound resource files — and more. RRP £65

MultiDisk partitions your hard drive for extra performance, tighter security and added versatility. With MultiDisk you can create unlimited partitions within partitions and it works correctly with your removable disks. Devise your own method of security, organisation and protection. RRP £50

ALSoft products are now distributed in the UK by:

SoftLine Distribution Limited, Wren House,
Sutton Court Road, Sutton, Surrey, SM1 4TL.
'Phone: 081 642 4242; Fax: 081 642 4621.



Remember Shop2000!

Please remember that you can purchase your PD Software from Shop2000. We are continually adding new software to the lists, to keep your collection up-to-date.

Also available from the shop are disks, ribbons, toners and other consumables; disk boxes, hard disks, modems, cables, books — we have a wide selection of goods for sale.

We aim to provide our members with a good mail-order service, particularly for the small items which many dealers will not stock. Our policy is to keep selling prices low (with the exception of books, which we are not allowed to discount).



Members' Small Ads are FREE
Please help us to help you
Send your advertisements to us on a
disk, in Mac or Apple II text format.
We will return the disk, of course.
This saves us time, and avoids errors.

Members' Small Ads

Members' Small Ads are FREE
Please help us to help you
Send your advertisements to us on a
disk, in Mac or Apple II text format.
We will return the disk, of course.
This saves us time, and avoids errors.

WARNING: The sale of copied or pirated software is illegal.

Please ensure that items offered for sale are new or re-registered.

FOR SALE

DB MASTER Version 3. (Powerful Database & Report Generator) +
free utility disk £75 ono
(Only requires 48k, 40 col screen and upper case, 2 drives or more
recommended!)

Or swap/part exchange for serial printer.

'Phone David (evenings) (0151) 410 1100

FOR SALE

Macintosh Items : All Complete/Unregistered
Microsoft Basic £30
Microsoft Powerpoint £55
Microsoft Works £40
Printer :
Toshiba P531 - Fast Wide Col. 24 pin Text Printer with tractor feed.
Little used. Mac compatible. £550
N.B. Any reasonable offers considered for all above.
'Phone Iain (0151) 410 1100

WANTED

AppleWriter //e Complete Package, manual must be in good condition — willing to pay £25 including postage. Also, will pay an extra £10 for AppleWriter //e Product Training Pack (manual + disk).

'Phone Jenny Green (at MGA SoftCat) (0151) 410 1100

FOR SALE

Apple //e, 2 x 5.25" Apple drives, monitor, Apple parallel printer
interface, Apple Super Serial Card II. With manuals
Available in Herts or Avon £250

'Phone Howard (01273) 601500 or (01273) 22000

FOR SALE

"Practical Computing" Magazines FROM NUMBER ONE (to Vol. 7
issue 3), also other computing magazines. View in London.
Offers, please.

'Phone Ken (0181) 477 0777 or (0181) 477 0778

FOR SALE

APPLE IIGS COLOUR SYSTEM
Full 1.25 MB RAM
ROM 01
Both 3.5" and 5.25" drives
Buffered Grappler+ parallel card £800
APPLEWORKS 2.0 complete 'as new' package
except for original 5.25" program disk £45
ARCHON £7
KINGS QUEST IV (GS) £12
MOUSE DESK 2.0 (GS) £7
SPACE QUEST II (GS) £10
WIZARDRY KNIGHT OF DIAMONDS £10
Software includes postage
'Phone Jonathan (ANYTIME) (0151) 410 1100

FOR SALE

Apple //e computer with Cirtech 80-col card £80
Apple green monitor £40
Special offer - sold together for a mere £100

Just a few available. Making way for a new system, hence this crazy
offer. No VAT. I pay carriage.

'Phone Richard Kelly (during office hours) (0151) 410 1100

FOR SALE

Mac SE 2.5 Ram, 80 HD, FDHD, (2mths old) £1999
Mac SE 4 Ram, Twin 800k floppies, (12 mths old) £1600
Dataframe XP40+40 Disc and Tape streamer, (9mths old) £400
GCC Business Laser Printer, 300dpi, 35 Fonts, 2mb (7 mths old) £1800

Professional DTP use, can be seen working, upgrade sale.

'Phone Andrew (Days) (0151) 410 1100

FOR SALE

Apple //c (5.25" drive with upgraded ROM for external 3.5") £100
Apple green CRT monitor with Apple's matching stand £50
Apple flat LCD screen £150
(all Apple cables, power unit, original disks, manuals included)

The condition of all parts is excellent

'Phone Dr Charles Sheppard (0151) 410 1100

FOR SALE

- 1 Apple 2e ENHANCED System complete with Apple Monitor, two 5.25 disk drives and extended 80 Col.Card £375
- 1a Apple II plus with Kaga Monitor and one 5.24 DDrive £110
- 2 Apple III complete system with software £110
- 3 Apple Profile 9meg Hard Disk with Controller Card £150
- 4 Spare Apple Profile Controller Card £60
- 5 Super Serial Card Brand New in Orig.Packing £80
- 6 Apple Mouse with Card new in Orig.Packing £110
- 7 Wild Card 2 complete with programs new - Orig. Packing £60
- 8 ITT 2020 Clone.(cpu only) £20 ono
- 9 Capital Clock II Card with Manual £25
- 10 RF Pal Decoder for II or Ile £10
- 11 Sunshine Apple II Eprom Tester/Writer £25 ono
- 12 Dark Star Snapshot Card + all programs + manuals £85
- 13 RF Adapter for IIc £10 ono
- 14 Joystick Enhanced Super for IIe or IIgs £45 ono
- 15 Triumph-Adler trd 7020 Daisy Wheel Printer + manual £45 ono
- 16 MicroStuffer Printer Buffer £50
- 17 Various other cards etc. & Various Software and games in
original packing Tel. for details

Urgently Wanted to borrow or buy

- 1 Disassembly Lines by Sandy Mossberg any volume
- 2 Inside Apple IIe by G.Little

'Phone Alan (anytime) (0151) 410 1100

Apple Slices is a bi-monthly Newsletter published by Apple2000 as a service to its members.
Apple2000, P.O. Box 3, Liverpool, L21 8PY. Tel: (0151) 410 1100 Fax: (0151) 410 1100



AppleSlices

September 1990



A bi-monthly Newsletter from Apple2000 in its Anniversary Year 1980-1990

Issue 19

Low Cost LaserWriters

Apple Computer U.K. Ltd have launched a new line of LaserWriter™ printers that give Apple™ Macintosh™ and Apple II computer users the full power and flexibility of laser printing at a more affordable price. Two new printers make up the line: the Personal LaserWriter SC, at £1,360 is a single user laser printer whilst the Personal LaserWriter NT, at £2,225, is a multi-user Post Script™ based laser printer. As with all Apple LaserWriter printers, the new line is high quality, easy-to-use and configure, and compatible with all Macintosh computers. "Our new Personal LaserWriter printers not only make laser-quality printing more affordable, they also take full advantage of the rich text and graphics capabilities of the Macintosh," said Pamela Schure, peripherals product marketing, Apple Computer UK Ltd.

The Personal LaserWriters offer a new space-saving desktop design that measures 15" x 18.3", weighs 32 pounds, and requires top and front access only. The printers offer an automatic-feed 250 sheet paper cassette and an additional 50 sheet multi-purpose paper tray that can be used for letterheads, envelopes and other non-standard papers. The parts of the printer most sensitive to normal wear are replaced automatically with the printer's toner cartridge, resulting in low maintenance time and cost. The combined power of a Motorola 68000 microprocessor and the Canon LBP-LX laser engine in both Personal LaserWriters provides the capability to print documents with 300-dpi near-typeset quality text, graphics, and scanned images.

Personal LaserWriter SC The Personal LaserWriter SC, for individual users, meets basic productivity and simple desktop publishing needs. It is well-suited for users who require high-quality output, but don't need networking or more advanced text and graphics capabilities. The printer uses the QuickDraw™ graphics routines that reside in every Macintosh to create sharply defined text and images. Four standard typefaces are included on floppy disks packaged with the printer. A SCSI (Small Computer Systems Interface) interface provides high-speed data transfer capabilities for fast printing and for daisy-chaining up to six additional peripheral devices. The Personal LaserWriter SC includes 1MB of random access memory (RAM). The Personal LaserWriter SC can be upgraded to the more advanced capabilities of the Personal LaserWriter NT simply by replacing the controller board.

Personal LaserWriter NT The Personal LaserWriter NT is a multi-user laser printer. The printer includes

Adobe PostScript, the page description language that allows fast printing of sophisticated text and graphics. It also includes AppleTalk™ - Apple's built-in network capability - allowing the printers to be shared among users via a built-in LocalTalk™ connector. The Personal LaserWriter NT can be shared in a mixed environment of computer platforms via an optional LocalTalk PC peripheral card and an RS-232 serial interface. Via this serial port, users can print non-PostScript documents using the built-in HP LaserJet Plus or Diablo 630 printer emulation. The Personal LaserWriter NT has 2MB of RAM. It can be upgraded to 8MB of RAM for higher speed and more fonts. 35 standard typefaces are included as are two other fonts that are used in Diablo 630 ECS emulation. The printer also supports hundreds of downloadable fonts.

The Apple LaserWriter range now includes two distinct lines. The Personal LaserWriters give users with low-volume printing requirements two low-cost options for quality laser printing. The LaserWriter II line gives users with more complex printing needs a choice of two high-volume, high-performance laser printers - the LaserWriter IINT and the IINTX.

Pricing and Availability

The Personal LaserWriter printers are available immediately from all Apple Computer's Authorised Dealers and carry a one-year limited warranty. Retail prices:

- Personal LaserWriter SC £1,360
- Personal LaserWriter NT £2,225

Upgrading a Personal LaserWriter SC to NT, requires return of SC card.

- Personal LaserWriter Paper Cassette (A4 letter, legal, envelope) £65
- LaserWriter IINT £3,100
- LaserWriter IINTX £3,600

For further information please contact:

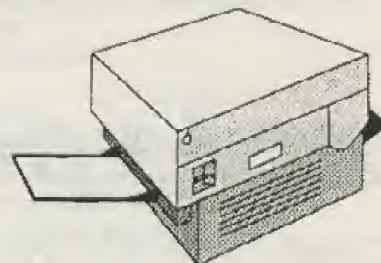
Judith Coley/Frank O'Mahony

Apple Computer UK 081 862 3028

or

Zoe Smith/Cathy Pittman

Gaunt Spreckley Williams 071 402 3355



Bitsream get TrueType

CUPERTINO, Calif.—July 12, 1990—Apple Computer, Inc. today announced that it has signed an agreement with Bitstream Inc., allowing Bitstream to sub-license TrueType™, Apple's outline font technology, to Bitstream's Original Equipment Manufacturers (OEMs). This agreement will allow Bitstream's OEM customers to license both the TrueType rasterizer and outline fonts directly from Bitstream.

"Apple has licensed TrueType to Bitstream with the intent of providing TrueType capabilities to a broad OEM customer base," stated Jim Stoneham, Apple TrueType product manager. "Bitstream's experience and knowledge as both a font developer and technology supplier to output device manufacturers will further advance TrueType technology into a wide variety of printing and imaging products."

Bitstream currently licenses fonts and enabling technology to more than 370 equipment manufacturers and software developers throughout the world. With this agreement the broadbase of Bitstream OEM customers will be offered a complete solution, including the TrueType rasterizer, appropriate Bitstream resident fonts, and add-on fonts to support their products.

Apple signed a similar licensing agreement with Microsoft Corp. in September 1989. The agreement with Microsoft will enable personal computers users in multivendor environments to easily share information across platforms while maintaining the high-quality text display and output that the TrueType technology offers.

"Apple's goal in licensing TrueType to both Microsoft and Bitstream is to extend the reach of native TrueType support in the printing and imaging products used in the personal computer market," added Stoneham. "As an integral part of Macintosh® System Software 7.0, TrueType will be offered to all new and existing Macintosh customers. These licensing agreements ensure that all Macintosh users will have a broad base of products to choose from in order to meet their printing and imaging needs."

TrueType is an advanced new scalable type technology which was designed by Apple in close cooperation with major type vendors. TrueType has been integrated into the operating system so that it is transparent to software applications, providing customers with high-quality text at any size on any output device. Apple expects to see a large number of new fonts and applications that will take advantage of this technology when TrueType ships with Macintosh System Software 7.0 around the end of this year.

TrueType

Contact: Patty Tulloch 010(408) 974-5449



Apple Peelings

For those of you who have lost the clock on your IIgs or Macintosh computer, you will remember that we spoke about the Nite Owl batteries in a recent issue of the magazine. Alan Finn of ClockTower tells me he has a small stock of these at £13 each (inclusive of VAT for Apple2000 members). Give him a ring on 081-341 9023 if you need one.

Alan has tested my comments about using fountain pen ink in the DeskJet printer. He has used ordinary Parker blue washable ink and found it does indeed work. It seems to be a little thinner than the original ink and so it tends to spread a little more on absorbent paper and takes a little longer to dry, but it does work. He is now proudly printing blue copies from his machine!

The Nibbler

A mammoth onslaught at Apple2000 HQ has resulted in the Apple II library catalog and the Apple II and IIgs introductory disks going through a much needed revision.

The catalog is now up to date and is now complete in one printing. The disks have revised information and up to date catalog files of the respective libraries. The IIgs disk has lost some of its demonstration files to make way for the expanded library catalog. If you want to have an updated disk, please send £1 to us marking your order with the size of introductory disk you require. The library catalog was originally issued to all Apple II registered members and updates have been posted regularly in the magazine. New members get a copy automatically on joining. If you would like a fresh copy of the catalog, all in one piece, send us £2.50 marking the order 'Apple II library catalog'.

The Editor

Be warned; there is a virus floating around on the Apple IIgs which has a harmful affect on your disks.

So far little information is known about the virus but I feel it wise to make you all aware of it anyway.

The virus only displays correctly if you have your preferences set for 80 columns in the control panel. If you are set in 40 column mode the virus will still spread and leave disks useless but will not display its' message correctly.

This virus will appear when you boot a 3.5" diskette. Almost instantly a message will appear on the high resolution graphics page in bold white characters that reads "I'm sorry Dave, I'm afraid I can't do that!". BE CAREFUL, since from this point on if you press CTRL-RESET or OPEN-APPLE-CTRL-RESET to boot another disk then the virus will actually write itself to the newly introduced disk. There is only one safe way out, POWER OFF.

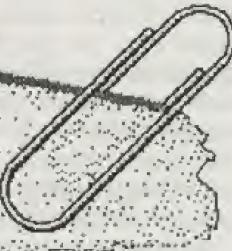
I have not yet investigated what the virus modifies on the disk, I guess it probably writes a patch to the boot blocks and/or alters the file ProDOS.

If you have your control panel set to 40 columns and try booting then you will get a corrupted video display almost instantly. Watch it, the virus can still spread like this.

If you feel you have been infected then you should call Apple2000 or Apple Technical Support on 01-569-1199 for assistance.

Ian Summerfield

Letter Box



Letters to the Editor
Editorial

Dear Apple2000,

George Shiffner asked what string to search for on the AppleWorks disk in order to change the \$ to £ in the spreadsheet.

The string required is \$24 9D 85 0D A5. There are three of these on my disk; the \$24 which should be changed to \$23 is the one in byte no. 0A6 of the block.

Now, does anybody know how to change the Chessboard character (Chr\$127) used as as the carriage return in the word processor to the Mouse character carriage return?

Terry Morris

□ The problem with changing the return to the mousetext carriage return may well be more complicated than you think. You may need to switch on mousetext first and then switch it off again after you have printed the \$4D character. This would mean three characters, not just one, to replace. If anyone is successful in changing this, please let us know.

Editor

Virginia, B.C.
Canada



Dear Editor,

Late last year, in a review of Cirtech's 48mb hard disk, a comment was made to the effect that the drive would have to be returned to them for formatting.

Since moving to Canada from the UK, together with Cirtech's 32mb HD, I recently found it necessary to reformat the unit.

Phoning Cirtech produced an immediate response, with the offer of a copy of the formatter/installer, for a nominal cost. It arrived a fortnight later and within the hour I had a reformatted HD.

Full marks to Cirtech for their excellent support.
(Dr.) K. Kishimoto

Virginia, B.C.
Canada



Dear Editor,

Would appreciate some advice. I have gremlins in both my Apple systems.

Europus II :- initially no power to disk drive. Stripped computer but left chips and IC's. Power on but keyboard disabled. Will not boot up completely, only gives DOS title etc.

II+ :- no power to disk drives. Disk card controller works on Europus. Block of characters appears on monitor, keyboard power on but disabled.

These faults are really frustrating. Have master DOS disks for both DOS 3.2.1 and 3.3, however these copies have no effect.

PJC Turner

□ Well now, there could be a wealth of problems lurking inside your two computers. You seem to have power to the machine (as the keyboard light is on). I would suspect that as you have fairly old II+'s there may well be some kind of problem with all the various connections on the motherboard. If you consider how many chips there are, multiply that by an average of 14 pins, you get an awful lot of connections that could be badly made! It only takes one to be bad for the machine to stop working.

The cure is fairly drastic so I would suggest that you first of all strip the machine right down to the bare motherboard. Clean all the gold fingers of your cards using a clean ink eraser rubber. Wipe off any residue making sure you do not get any grease from your fingers onto the connectors. An alternative to the eraser is to use a glass fibre eraser similar to those used in drawing offices.

Next make sure that the power supply plug and socket are clean and do not show any blackening from the arcing produced by bad connections. Gently ease or tighten the connectors if necessary.

Now gently ease all the chips in their sockets. There is no need to remove them entirely, just ease them with a very small screwdriver and push them back tightly into the sockets. This will clean the connections. If however they show signs of severe tarnishing on the pins, you may have to remove them as well and clean them with the eraser. This is a time consuming and tricky business. Make sure they go back into the correct sockets and the right way round!

Re-assemble the computer and try again. If that does not cure the faults then you have a really sick motherboard to deal with. If you can check the voltages from the power supply, this could also show a possible problem. The four voltages should be plus and minus 12 and 5 volts respectively.

If you have disk drive cards for 16 sector DOS 3.3 (marked by P5A and P6A PRom's) you will not be able to use your 13 sector DOS 3.2.1 master disks unless you first boot up through your 16 sector Basics disk. The older cards for DOS 3.2.1 had PRoms marked P5 and P6 and will not run the 16 sector DOS 3.3 disks.

After all of this, if the computers still do not work, you will need to take them to a repair house for proper fault diagnosis and repair.

The Boffin

California
U.S.A.



Dear Ewen,

I have two sets of questions here - one about the Apple II+ Europlus keyboard, and the other concerning an RGB colour card.

Apple Europlus keyboard.

1) There is a switch on the inside of my Apple II+ plus

keyboard - what is this for or what does it do?
2) How do I carry out the keyboard modification - there is a wire soldered to the keyboard but not connected anywhere else?

RGB colour card

I have an RGB colour card but no instructions. How do I connect it? Can it be used on either my //e or Europlus? (There are two wires leading to a point labelled video input and a wire leading to RED, GREEN, BLUE, OV, SYNC.)

David Beale

□ First of all, the easy question.

The keyboard switch toggles the operation of the Reset key from the two key press 'Control-Reset' to the single key press 'Reset'. From the //e onwards, only 'Control-Reset' is active.

The keyboard modification, or 'Shift-Wire-Mod' as it is known, is made by taking a wire from pin 24 of the keyboard connector (the pin second farthest away from the power supply on the wire comb which connects the encoder board to the keyboard) to pin 1 of the chip located at H-14 on the motherboard. This is the same as pin 4 of the game I/O socket J-14.

There were a number of RGB colour cards made by different manufacturers over the years but from your description you seem to have a DMS colour card. If so, then it is only suitable for using on the //e. As far as I can remember the video signals of the //e are different. There were two models of this board, the C9A for European Apples and C9B for American ones.

The wire from 'Video Input' goes to the front end of the 1.5K resistor which is 3rd on the right of the games I/O socket by the edge of the board. The RED, GREEN, BLUE, OV and SYNC connectors go to a standard RGB monitor such as the Microvilec Cub range.

The card correctly switches into full colour when the HiRes display is active. You may notice some colour fringing of the text however when mixed text and graphics are displayed.

Ewen Wannop

*Dear Sir,
Editor*

What an excellent publication you produce every month! It is a credit to yourself, your contributors, and all your participating members.

Having run my small company with, or even around, a succession of Apple //s (well, to be honest ITT 2020's before the //e's) since 1979 it has been with a great deal of nervousness that I committed myself to the purchase of a Mac system. The change of business methods anticipated my familiarity with the Apples meant I could make them all but sing and dance within the framework of the tasks that we perform.

My cold feet were eventually persuaded to dip in the all-too-attractive Mac waters when a repair bill for my 20 mb hard disc (original cost £4000!) came to, roughly speaking, the cost of a new 40 mb internal for the Mac.



Shopping around and comparing prices I eventually settled for a beaut of a system - IIC. LaserWriter, colour, scanner and 56lbs of reading material to go with the software packages - reasonably priced from a grey importer. I settled down to climb the learning curve knowing that it couldn't be as bad as '79 when business software consisted of seven stock control programmes and a newfangled import called a spreadsheet (I still use my 3.2 DOS version of VisiCalc).

My delight at the ease with which the Mac can be learned has been tempered somewhat by the fact that the machine I received turned out to be faulty and the supplier was - wait for it - yes, you guessed - Camelot!

This problem seems to be being solved (by Type Technology) but I have a problem that you or someone may be able to answer.

I have some 120 mb of text files, mainly ASCII translations of databases created by that excellent program, DB Master, but quite a lot of AppleWriter //e wp files too, all in 3.3 DOS. Obviously I wish to shove them across to the Mac environment. Whilst that would be sufficient, it would be an added bonus to be able to shove data back to the Apples, still under 3.3. I see a variety of routes:

- 1) Comms software to null-modem across with a wire.
- 2) Stick a ProDOS disc onto the Apple, translate 3.3 to ProDOS discs, put the disc into the Mac.
- 3) Stick an AppleShare card in the Apple //e, convert the files to ProDOS, write them to a partition on the Mac's internal disc and read them from there (if that is possible).
- 4) Relype the lot (unless I can get the Omnipage software to OCR)!
- 5) Anything I haven't thought of.

Judging from the number of ads for secondhand Apples someone must have been down this road - any suggestions would be most welcome.

Please keep up the good work - if you ever need an article on buying machines which don't work and then the company liquidates, let me know - this is the third time I've been caught - I'm an expert!

Philip Ormond

□ Thanks for the tale of experience and woe, but especially for the nice things you have said about us. It takes a great deal of our personal time to do all that we do for Apple2000, and as we do not often get the nice things said to us, it is especially nice to know we are appreciated.

However, as you have been caught for the third time with machines that do not work or by the company that liquidates, perhaps it is time to consider paying that little bit extra and go to a reliable approved Apple dealer!

Now that is the response Apple UK would like us to say. The reason of course that you went to a grey importer was that the machines are too expensive in the UK in the first place, and that they can be bought more cheaply abroad. There is a lesson to be learnt somewhere by Apple UK I feel. After all the machines are made in Ireland from parts that originate in the Far East. They must therefore cost the same to make wherever in the world they are sold.

Your data transference problem has many solutions most of which you have outlined. It depends whether you want to spend money and save time, or save money and spend time!

Option 4 is for the long winter evenings when you feel masochistically inclined.

Option 3 is expensive as you will need to buy not only an AppleShare card but AppleShare itself. The files will be readable from the partition however.

Option 1 is the most tedious and time consuming, but only the comms software and a cable to buy.

Your best solution is Option 2, as it leaves you the benefit of a 3.5 drive on your //e when you are finished. Of course if you already have one of these it will only cost you your time. You will probably have to shop around for the drive and disk card as the standard 3.5 drive that fits the Mac and the IIgs is not suitable. You can then use Copy II+ to convert the files from DOS 3.3 to the 3.5 ProDOS disks and then use Apple File Exchange on the Mac to convert from the 3.5 ProDOS disks into the Mac. With 800k per disk, this will only take some 150 disks or alternatively the same disk 150 times... In both the case of Copy II+ and File Exchange you can select batch mode to make life very much easier.

An option you have not thought of is of course to get a PC Transporter for your //e and a PC drive for your Mac. An expensive solution, but you will be able to play with Lotus 1-2-3 on your //e when you are done! Good luck

Ewen Wannop

Computer
Magazine



Dear Editor,

I have had a IIgs with 512K Ram and ROM version 01 for about eighteen months now. I have a series of small problems which makes it rather difficult to get the best out of the machine.

First of all GS/OS 5.0.2.

I bought it after not being able to make Mousedesk work. I was advised to buy the two disks and wait for a third party manual to be published. I have not as yet seen any ads for such publications. To make matters worse I seem to have yet once again missed the boat with this and other utility disks purchased from Computability which seem to function along the same lines. Up to now the only thing I have managed to do with this program is to copy the contents of one disk to another. This must have been a coincidence as I was unable to repeat this exercise! PublishIt! v.1.4.

I was given a copy of this program to look at and see if I liked what it could do. It loaded on my IIgs, but I ended up with a multicoloured screen which made reading what was on the menu bars impossible. So, I still don't know if it's the right DTP program for me. What do you think of GraphicWriter III? I am looking for something that is AppleWorks compatible so I can do my writing with AW and just do the fancy work with a DTP package.

I need something that would produce a very high quality product that could produce a presentation that be deemed acceptable by even the most fussy of University Examiners.

Graphics.

I bought a copy of TimeOut Graph and was greatly disappointed with the quality of graphs produced. It just produced a screen dump of the screen contents, where was "... the high resolution"!! Isn't 640x200 a medium resolution!! Different computers seem to claim different dimensions for various resolutions.

Whatever name the resolution is given, how can I produce graphs that look like those produced by HARVARD GRAPHICS are there any Apple Equivalents of this package. If not, what do you think of Applied Engineering's PC Transporter, and its performance without a hard disk? All PC's I have had the opportunity of using all had a Hard disk hooked onto them. If I had a hard disk, would the partitioning be absolute so as to allow ProDOS and MS Dos programs to be stored in it; is this possible?

What do you think of RAMkeeper as an alternative to a hard disk?

Finally, I shall shortly increase the memory of my machine; how much do you think is a bare minimum so that programs like GS/OS, Paintworks Gold, AppleWorks GS, and other ProDOS 16 applications can run?

I have no contact with other IIgs users in Malta, as a matter of fact I do not know if any other person in Malta owns a IIgs. So after reading Apple2000, I thought it best to write to you.

A McElhatton

□ I really do not know where to begin. All your questions and their answers are so fundamentally linked together that I shall have to take them in a different order to try and answer much of what you ask.

Your lack of experience on the IIgs is a major obstacle to overcome. The IIgs, like its sister the Macintosh, works in such a different way to any other computer you may have seen, that you obviously have not been able to get beyond first basics to understand how the Apple desktop environment works. Apple have now published a manual for the GS/OS operating system, but this is not easy to obtain as many dealers just do not stock it.

Let me start with your basic IIgs. If you only have 512k Ram, and by that I assume you mean 256k on the motherboard and 256k on the memory card, you will not be able to run GS/OS 5.0.2 or indeed many of todays programs. The minimum memory you need to run GS/OS is 1.25mb, that is the 256k on the motherboard and the memory card full to 1mb. I would recommend however that you had at least 1.75mb with a maximum of 4mb. The Applied Engineering 1.5mb card is ideal for a sensible expansion to bring the IIgs up to 1.75mb.

Next you must very seriously consider a hard disk drive. GS/OS cannot realistically be run from floppy drives, and you will not realise the full potential of your IIgs without one. As hard disk drives are currently getting much cheaper, I would consider a 40mb SCSI unit with an Apple SCSI card as being a standard. Shop around for the drive as they are competitively priced at the moment. Apple2000 can supply the Cirtech Diamond drive with the Cirtech card or you can purchase any SCSI drive suitable for

the Mac and format it for the IIgs with the utilities in our libraries.

GS/OS is not a program as such, it is a complete operating system and environment. What you see is only a very small part of it, like an iceberg nine tenths of it is out of sight! What you see when you boot GS/OS is the Finder. This is actually a program that interfaces you with the operating system and allows you to launch programs. Without a hard disk drive, or with only one disk drive, you will never have any programs visible to launch. The Finder works in exactly the same way as that on a Macintosh, if you know anybody with a Mac you could ask them to show you round the desktop and how it works. To put the desktop simply, you will see a collection of icons on the desktop. Sub-directories show as folders and programs as icons. You double click the mouse on folders to open them, double click on program icons to run them, and copy from disk to disk by dragging the icons about. If you want to delete a file, you drag it into the Wastebasket and empty the Wastebasket from the pull down menu.

To give you a complete tutorial on the IIgs is obviously out of the question here, you will need to either get hold of the official GS/OS manual or a Macintosh manual which would suffice instead.

PublishIt! is a very powerful DTP package. It will run on any //e, //c or IIgs and uses the double-HiRes black and white screen for display. If you start it up on a IIgs, the HiRes display will switch to whatever mode has been set in the IIgs Control Panel. If this is set to 'colour' then you will see the multi-coloured fringing you describe. If it is set to 'monochrome' you will get a clean and crisp display. You can easily change this setting by pressing the Open Apple-Control-Escape keys together to get to the Control Panel. Once you are there use the arrow keys and return key to select 'Control Panel' and then 'Display'. Use the arrow keys once again to change the top line to show 'monochrome'. Press return to exit and then use the arrow keys and return key again to quit each level.

I have not yet seen GraphicWriter III but I understand it is an excellent program. But as you wish to use your existing AppleWorks files, have you considered using AppleWorks GS? This is a full desktop driven program that will allow you to word process, use the database, the spreadsheet, draw, use comms and last and by no means least prepare DTP layouts. All this within the same program shell! It requires at least 1.25 mb to run however.

You will not get any higher quality output than the screen can display from most programs, but you will be able to improve on the output of TimeOut Graph. You should consider AppStats and Graph as a pair of programs that will work with AppleWorks files and generate high quality graphs. A review of these two programs will be published in the October Apple2000 magazine.

You could run a PC Transporter from floppy disks, but you would find it very limiting. You really do need a hard disk for MS Dos. If you do go this route, you will be able to make a partition on your ProDOS hard disk that is exclusively for the use of MS Dos and will not be touched by ProDOS. This partition can be any size, but I would suggest a minimum of 5 mbs if you

are running under Dos 3.2 or Dos 3.3. Dos 4.0 requires at least 10 mbs to give you a suitable working space. You can then transfer data files easily between the two environments.

RAMkeeper is not really an alternative to a hard disk. All that this card does is to keep the memory on your computer alive while the machine is switched off. This means you do not lose the contents of any /RAM drive you may have setup. It is much cheaper, and probably better for the machine, not to switch the computer off in the first place. Of course if you regularly get power cuts, then it could be indispensable to have a RAMkeeper. There is a drawback however as it does not keep the basic 256k Ram on the motherboard going, so you can only preserve what is in the /Ram drive, you cannot save the running application. Remember also that if you have a /RAM drive, this will eat into the memory of the machine and so you will need to have that much extra Ram available if you want to run GS/OS. A better solution to all of this are the Cirtech PlusDisk cards which act as fast /Ram drives but are also battery backed up with an on board battery. These do not take up any of the main memory and seem to ProDOS as an ordinary 1mb device.

I hope this has helped you get one stage further in making your IIgs really work for you. It must indeed be lonely as the only IIgs user in Malta. Perhaps some of our members if they go on holiday to Malta could visit you and help you understand the machine more fully!

Ewen Wannop

Countdays

Countdays



Dear Ewen,

Oops...

I found an error in my Count Days spreadsheet published in the June-issue of Apple 2000 page 22.

If the day of the week is Saturday the spreadsheet would print "NAday". A "Not available day" may be appealing to some of us, however if you like to have the spreadsheet print all the days of the week correctly make the following change to Count Days:

In cell K5:

$@IF(J5-{@INT(J5/7)*7}=0,7,J5-{@INT(J5/7)*7})$

change the value of the cell to have two decimals.

Now copy cell K5 into K6, all cell reference are relative.

Hope it works better now.

Andreas Wannborg

□ I have mentioned the incredible power of telecommunications many times before. It is interesting to note that this correction to Andreas' Countdays routine arose as a result of him mislaying the original files from his disk drive in Sweden. He E-Mailed me on TABBS to ask for my copies of the files as he had promised to send them to a friend via Compuserve in the US.

I E-mailed them to him on TABBS within an hour or two of him asking for them. He picked the files up within the next hour or so. The correction itself arrived some half an hour later!

A very small world indeed!

Ewen Wannop



Attention! Hardware Problems

[The following are three very interesting technical notes from national online information sources Usenet and America Online. Reprinted from PMUG's "Mouse Tracks"]

1.4MB SuperDrive Problems

(From Usenet: Arthur Hills, ahills@watmath.waterloo.edu; and Robin Goldstone, robin@csuchico.edu)

Macintosh computers have never been error free, much like any other set of mechanical devices. The most recent problems have had to do with the SuperDrives and with IIcx/IIci power supplies. Conscientious people have helped pin down the causes of these problems and posted the fixes on Usenet.

The SuperDrives have had problems from the very beginning, although the furor has died down a bit recently. Part of the problem was that people were formatting disks inappropriately. However, the problems still persist. Arthur Hills of the University of Waterloo took a disciplined approach to the problem and found that different disks often had the same bad blocks (checking with *SUM TuneUp*), and if more than one bad block was found, the separation of the bad blocks was a multiple of 36 (don't know the units). Needless to say, this sort of regularity with errors is odd. After long communications with the Apple Technical Response Group in Toronto and Kao Didak, the disk manufacturer, the following became clear.

Apple has shipped two different types of [1.4MB] floppy drives, an early version with a green controller board and later version with a blue controller board. The green controller board lacks a phase-lock-loop circuit to regulate the speed of the drive. This circuit is important because it guarantees a specific rotational speed within 1%. Without the phase-lock-loop circuit, the rotational speed can vary greatly. If bits are read at different speeds from how they were written, it appears to the computer that the bit has shifted, which can cause cyclic redundancy check (CRC) errors. A similar problem can occur if you take a disk written in one Mac to another whose drive is faster or slower. The fix is, of course, to replace the drives with new drives with the blue controller board. So if you have problems, try checking your disks with *SUM TuneUp*, and if you can document the problem, you may be able to get your drive replaced. Of course, buying *SUM* will cost at least \$100, so it may be easier to just get a new drive.

IIcx and IIci Power-Supply Problems

(From Usenet: Arthur Hills, ahills@watmath.waterloo.edu; and Robin Goldstone, robin@csuchico.edu)

The second problem is a bit stranger. Robin Goldstone reports that some IIcx and IIci machines will sometimes fail to turn on with either of the switches. The probability of experiencing startup problems is higher if the system has been turned off overnight, strangely enough. The simple fix is to unplug the power cord from the Mac for more than 10 seconds and then plug it back in.

Apple says that if the Mac doesn't start up properly after the unplugging trick, the power supply should be replaced. If you are having these problems and you have a power supply in one of the following ranges, you should give your friendly local Apple dealer a call and sound pitiful. According to the posting, the serial number ranges are "GE924xxxxxx through GE953xxxxxx AND/OR GE001xxxxxx through GE023xxxxxx" [sic]. Of course, there may be others as well.

Apple has fixed the problem ("Oh, yeah, we should've put a resistor across capacitor C9 and a jumper wire on the control board. Details, details."), and all the good power supplies now have a white dot adjacent to the Molex output

connector, should you happen to know what a Molex output connector looks like I wouldn't if it hit me in the nose. Apple is working on a Customer Satisfaction Program, so if you have this problem but don't have one of the above serial numbers, please call your dealer and ask for Satisfaction. This is the sort of thing that Apple should replace because it is mind-numbingly frustrating and an opportunity to win some customer loyalty with good service.

Apple LaserWriters May Have Fuser-Roller Flaws

by Lynda Burgiss (posted on American Online) A MUG News Service exclusive. © 1990 MUG News Service

Pick up the cleaning wand that rests in the top of the fuser roller assembly in your LaserWriter Plus, II-NT, or II-NTX. Beneath the wand is a silver cylinder that is the source of a potential problem.

Apple Computer Inc. has known for some time that the Teflon-like coating on this cylinder can overheat, causing portions of the silvery material to warp or peel. When that happens, pages will print with ugly spots and/or streaks, making the printing quality totally unacceptable.

Damage to the cylinder can occur as early as 30,000 printed copies, and the only remedy is to replace the entire fuser-roller assembly. If you have a maintenance agreement, no problem. If not, the cost from your Apple dealer may be as much as \$500 for the assembly, plus an hourly service charge for installation.

Or you can buy a remanufactured assembly from some suppliers at a cost of about \$200, provided that you also send in your damaged assembly. You'll find the fuser assembly easy to replace. It is held in place by only four screws. The only tool you'll need for removal and replacement is a magnetic, Phillips-head screwdriver.

If the thought of a single \$500-plus repair bill doesn't raise your hackles, consider that a continuing recurrence of fuser roller assembly failure could add up to big bucks. The engine life of your LaserWriter is rated at 300,000 copies. If, for example, you had a damaged fuser roller assembly for every 50,000 copies, this repeated failure could cost you more than \$1,200 to \$3,000 for repairs. Not a pretty thought.

Purchasing one of the new LaserWriters announced in July will not make your printer immune to this problem. Although the assemblies in the newest LaserWriters are built somewhat differently, the root cause of the problem is inherent even in the latest models.

What is Apple doing about it? Apple is chatting with Canon, the company that manufactures the LaserWriter models. The LaserWriter line has the same print-engine mechanism found in Hewlett-Packard laser printers and in Canon's own line of Laser Beam printers.

So far, Canon has been reluctant to admit there's any cause for concern. It also appears to be reluctant to adjust the problem area, citing increased production costs associated with changes to a print engine design used in so many printer models.

So what can you do? If you have a damaged assembly and have it replaced by your Apple dealer, make sure you're given the damaged assembly. Ship it to Apple Computer Inc., Campbell Service Operations, 20525 Mariani Ave., M/S 72S, Cupertino, CA 95014, with a letter of protest.

If you buy a remanufactured assembly and can't send in your damaged assembly, at least write a letter and complain.

Apple's corporate service folks live at the address above. If you give them enough headaches, they'll line up their guns with their own printer engineers against Canon.

Here's a chance for you to make something happen that can benefit you and your fellow LaserWriter owners. Seize the opportunity! ■



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**WARNING: The sale of copied or pirated software is illegal.
Please ensure that items offered for sale are new or re-registered.**

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2. Apple Europlus, monitor, two 5.25" drives, £175 ono
3. Robocom Bitsk 1000 computer graphics system, including Apple //e, two drives, Hewlett Packard 7570A Plotter, joystick controller, NEC colour monitor, Houston graphics tablet, software, fonts, manual, all cables and cards, in mahogany plinth. Will split. Virtually unused in original boxes £1200 ono
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MACUSER SHOW 1990

Make a note in your diary now!

The MacUser Show will be held at the National Hall, Olympia, London on 7th-10th November 1990.

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15. Image Printer II £5
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17. Sensible Software, The Graphics Department £15

SOFTWARE (3.5" disks):

18. Sensible Writer, Speller & Grammar. 1986 version. (5.25" disks with Speller & Writer) £40

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- 19-28. Various dBase II books £4ea
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Giving details of your past experience and availability.

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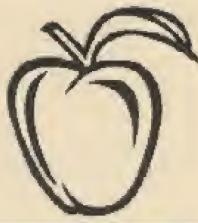
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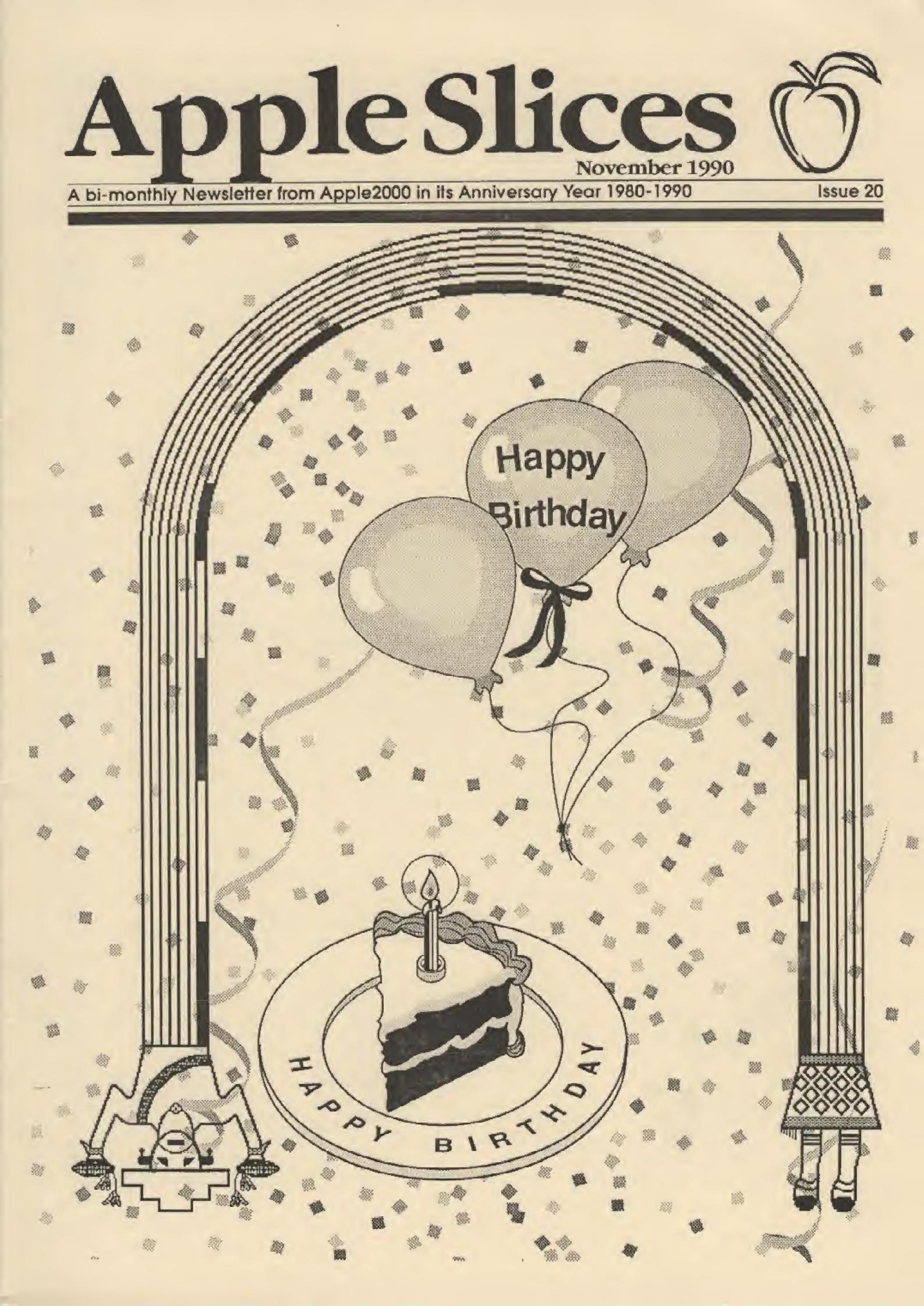
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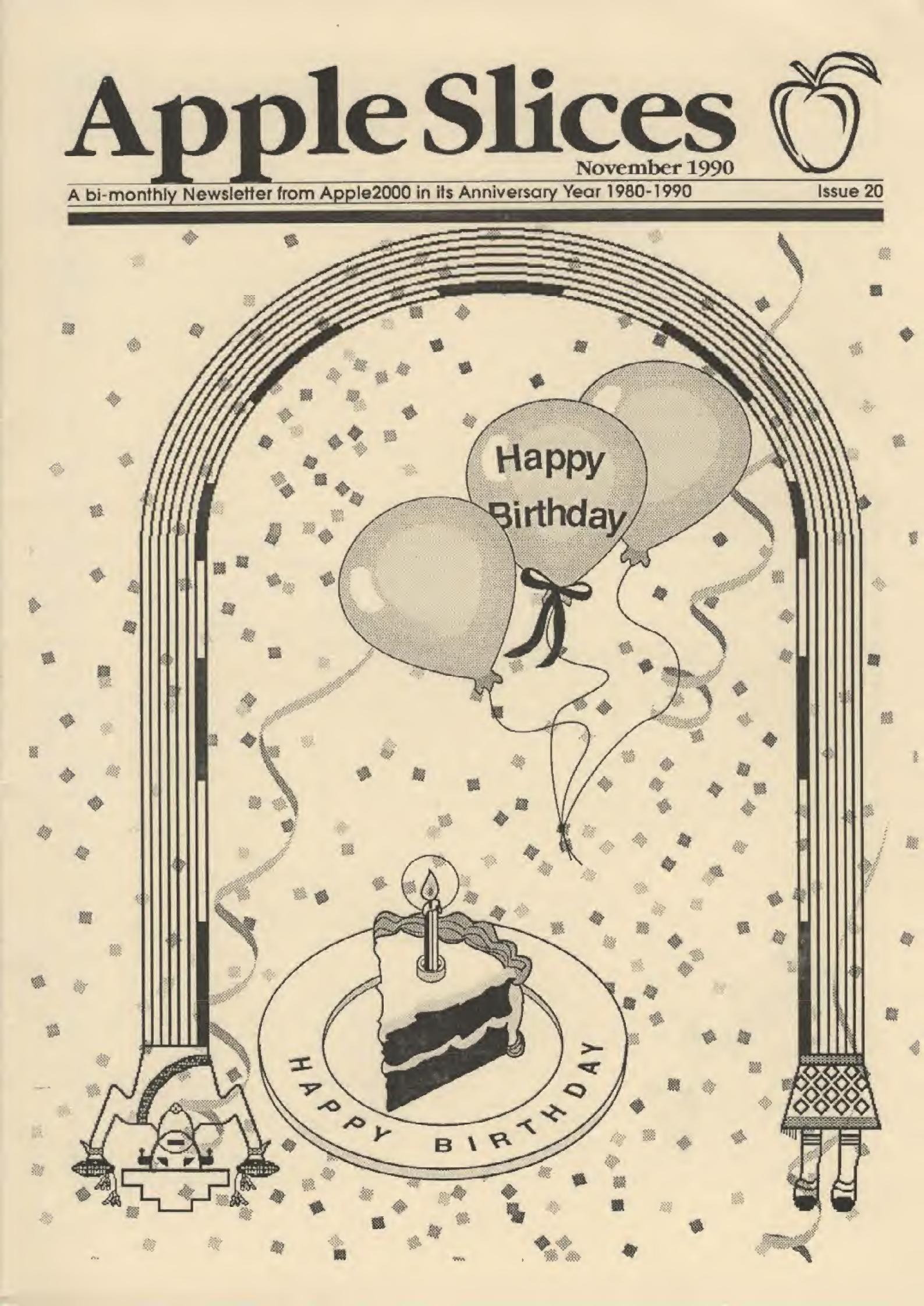


A bi-monthly Newsletter from Apple2000 in its Anniversary Year 1980-1990

Issue 20



Happy
Birthday



HAPPY BIRTHDAY

Annual subscription rates are £25.00 for UK residents, £30.00 for E.E.C. residents and £35.00 for other overseas members.

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The Editorial team is:

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Elizabeth Littlewood

Macintosh

Norah Arnold
Irene Flaxman

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Apple User Group Council

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There are a number of ways to contact Apple2000

If you wish to order goods or services from Apple2000, or if you just wish to leave us a message, please call Irene on 051-227-4818 (Ansafone during the day). Alternatively, you can send us a Fax on 051-227-4818 or write to us at PO Box 3, Liverpool, L21 8PY.

If you use comms, you can leave orders on TABBS (addressed to the SYSOP), or contact us on AppleLink (BASUG.1).

If you are experiencing problems with Apple hardware or software Dave Ward and Tony Dart run the Hotlines and will try and help you.

We are very interested in the activities of local user groups. If you have any information which you would like publicised, John Lee would like to hear from you.

We reserve the right to publish, without prejudice, any advice or comments given to members as a result of letters received, in the journals of Apple2000.

A little praise for a few of our authors wouldn't go amiss. Send all comments and contributions via the PO box. We'd be especially interested to receive any suggestions about what you would like to see in your magazines and newsletters.

Contact Points

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Voice 051-227-4818

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Irene Flaxman
Voice 051-227-4818
Fax 051-227-4818

Apple II Reviews

Elizabeth Littlewood
Voice 051-227-4818

Apple II Hotline

Dave Ward
Voice 051-227-4818
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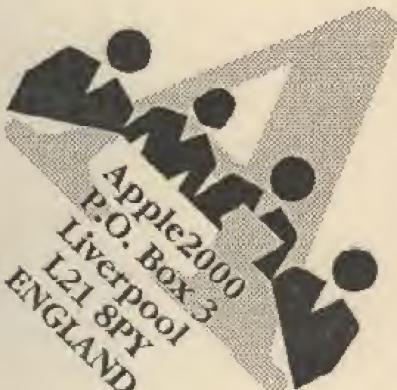
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Voice 051-227-4818

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Birth Announcements

On the 9th of November 1980, at Park Street, St. Albans, a bouncing healthy child was born. Later to become known as Apple2000, the fledgling BASUG came into being—the product of enthusiastic Apple II owner parents.

On the 15th of October 1990, at various places around the world, the Macintosh Classic, Macintosh LC and Macintosh SE were born. Worthy children to succeed its Macintosh and Lisa parents.

A MacUser Welcome

We extend our welcome to all old and new friends meeting us on stand D1 at the MacUser show. This show represents a watershed in the development of the Macintosh and will have repercussions for some time to come. The future should see a growth of owners and as a result in the Macintosh Industry.

We shall help you get the most from your new machine through the many services that we offer.

Come and see us on stand D1.

SEE US AT

The MacUser Show

OLYMPIA, LONDON



7-10 NOVEMBER 1990

Classically Yours

Well done Apple! After years of complaining from both customers and the press that all Apple computers were overpriced, we now have some sensible pricing beginning to appear at last.

It is curious how we have told all along that lower prices were impossible to achieve, and now it seems there is no obstacle to this. Mind you, similar arguments were made about introducing lead-free petrol. It is amazing how 'market forces' can have the desired effect in the end. I suppose it is only coincidence that the IBM PS1 was launched in recent months.

I do not mean to denigrate the achievement of Apple in any way. It has been as much a manufacturing exercise as a marketing one to lower the cost, but could it not have been done sooner? The new machines have been very carefully designed to keep manufacturing costs down to the minimum. A quick glance inside one of the new machines shows you very different animals to the Macs' we know and love. As little as possible has been socketed, all is soldered in and so expansion is therefore not so easy as before. In most cases to add extra memory it means adding 4mb SIMMS.

We shall be bringing you a full report on the three

Macintosh newcomers in the December Apple2000 magazine. For now, please refer to the details on the inside back cover for a quick run down on their capabilities, performance and price.

Amazing Prices

It was not unexpected that the prices should turn out to be so low. We had heard rumours for some time that Apple were trying to break the \$1000 barrier. I did not really expect it to happen though and was pleasantly surprised when we finally heard the details on the 15th of October.

This major change in marketing policy by Apple has taken many of us by surprise, the dealers probably are the most surprised and confused. After all they have been used to handling small quantities of premium priced computers with large profit margins. Now they will also have to consider large volumes of low-priced computers bearing low profit margins. Can they cope with this new and expanded market?

Can Apple manufacture sufficient of these machines to meet any projected demand, and more importantly can they supply them immediately without a long waiting list. To have to wait for one of these things will probably make a customer choose another computer they can get off the shelf instead. The reputation of the Macintosh goes ahead of itself of course, but in a cut-throat market that is not enough. Many a good computer has not survived because of poor or inefficient marketing or lack of supply.

At the launch of the three machines, Apple showed us a slide showing a warehouse of large white boxes. These they said represented a large quantity of Classic computers already being shipped to customers as they spoke. We understand that they have opened a new factory in Cupertino to deal exclusively in the new machines. This will supply the US market, the rest of the world will be supplied from a factory in Hong Kong. They will need to keep that mountain of boxes high at all times.

Dealer Wins All

Can the dealers handle this new and changed market? As far as we are aware Apple do not intend to change their method of appointing dealers, they will still be few and far between. The Classic ought to be available either mail-order or in any High Street. This is the volume market that they can easily pick up on, but it needs marketing carefully.

The new machines will of course need software. This is something that only a few dealers have specialised in so far. If you buy an Amstrad, you expect to be able to buy some software off the shelf at the same time, or at the nearest large newsagent or specialist shop. How many dealers can offer that kind of service?

Many dealers will also have to put up with the irate customers who have just bought a Mac Plus with external hard disk at a price almost the same as a Classic 2/40. Also for those having just bought an SE 2/20 I have the deepest sympathy, having



recently bought an SE/30 a week before the price tumbled by £400 I only know too well what this means! Apple I understand cleared the warehouse the week before the launch of these machines and sold the lot to an unsuspecting and eager public!

Peripherals and Software

Macintosh customers until now have been of a rather special kind. They have chosen what was an expensive computer for one very simple reason, it was the best and the most powerful computer for their needs. They have been discriminating not only in their choice of computer, but in the way they have used it and expand it.

Cheaper Macintoshes will bring a different kind of customer. A customer who chose a Macintosh rather than an Amstrad or Atari, for many rather different reasons. It may be that they were influenced by the reputation of the Macintosh, it may be they were influenced by the price. Certainly they will not have the kind of loyalty that existing owners have kept against all odds. They will not put up with excuses that a peripheral is not available or wait five months for a CD ROM! They will expect hardware and software off the shelf.

These new owners will also need some kind of initial training and help. The Macintosh is so different from other computers, it can take a great deal of patience to get owners into using the desktop. I have heard of those who just gave up because they could not understand how to use the mouse. I know they manual explains it all, but does it actually explain the mouse must be in contact with the desktop to actually work. I have seen a mouse waved in the air and the user in desperation explaining they can get nothing to happen.

This will be a challenge for both the dealers and Apple2000 to handle these newcomers to our hallowed empire.

Proud New Users

How do you explain to someone who has just paid some £795 for his new Classic Macintosh that a copy of Quark Xpress will cost them as much as the machine they have just bought, or that a copy of a good word-processing package will cost them nearly £100? Software prices at the lower end of the scale will have to drop.

Of course I do not really expect Xpress to become cheaper as the specialist software will still be in low demand, but the more usual packages such as games and utilities will have to drop in price or we will only see an increase in pirating instead.

Many peripherals should also drop in price as time goes on. To pay more than the cost of your computer for a 100mb hard drive will not be acceptable. Hopefully we shall the kind of pricing appear that we see in the IBM world.

Of course other computers will also become cheaper. We have already seen the launch of the IBM PS1, but I was most amused to see that Alan Sugar dropped the prices of all his computers the same

week the new Macintoshes were released!

It has been a lean time recently for Alan Sugar, is he going to survive in this new competitive world where real quality in the form of a Macintosh is available at such a low price? The LC colour Macintosh is aimed at a market where he has reigned supreme till now.

A new Macintosh Range

Quite deliberately, Apple have limited the power of the new computers. This was inevitable if they are to continue to sell the high end SE/30's and Macintosh II range. As someone who has for long advocated that there is no need of extreme speed and power if all you are doing is word processing or some simple task, I welcome the Classic as the true personal workhorse of the 90's. This computer in its 2/40 version, has adequate performance, reasonable storage and will most importantly run System 7.0. With the new operating system running, and the addition of a Personal LaserWriter SC, you will have a powerful word processing and print system costing under £2000.

Even with the limited performance or expansion of these new machines, they are most importantly Macintoshes through and through. The new customers will be running standard Macintosh applications under the standard desktop. If they want to move to a Macintosh IIx, they will be immediately at home. This is the real power and strength of the Macintosh system.

One of the most exciting innovations is the introduction of voice input to the Macintosh LC and IIxi. Digitisation of sound input will allow the attachment of sounds to documents. It will not be long before word processors or message systems will speak the message as well as display or print it. I can see a great future for this new development. It is interesting to note that the specification of the Macintosh project back at its inception in 1979, was for sound input to be standard. Only the Apple IIgs has had this capability built in to the motherboard so far.

The one thing noticeably lacking in a Macintosh these days is a full gray scale display on the Classic 9 inch screen. The IBM PS1 has it, probably its best feature, I am sure it would not take much to add such a display to the hardware. The monitor can surely give an analog display, after all, the brightness control in the new Classic is controlled from software!

The Apple II Killer

The Apple II lobby has been extremely vociferous over the last year. With an increasing feeling that we were being isolated and ignored by Apple, pressure was put in many directions to try and clarify our position. We were assured from all at Apple, and this included John Sculley himself, that the Apple II was not dead, and that Apple were committed to supporting the range well into the 90's.

Many of us hoped, this would mean the



introduction of new computers in the IIgs range. The Macintosh LC must be seen as their answer and an indication of how they see the Apple II range in the future.

The Macintosh LC, also known as the Low Cost colour computer or even 'Elsie', is aimed very pointedly at the education market. This computer is a Macintosh, runs Macintosh software, and with the addition of a 12 inch colour monitor and VRAM SIMM, will give a 256 colour display for an educational cost of £1410. I do not know whether schools will fall over themselves to buy it, but it is very competitive at that price with an Amstrad, Archimedes or Nimbus.

Apple have for long tried to woo the education market into buying Macintoshes. The black and white Mac Plus did not attract itself to a market used to colour on their BBC's or Archimedes. The LC is a different proposition all together.

For some three years now Apple have had a computer that had good colour, an Apple desktop environment, a mouse and compatible peripherals. The IIgs was so over priced it never sold in quantity outside of the United States. It is basically the same price the day it was launched while Macintoshes had dropped to more than half their price three years ago.

The LC has an optional extra, a //e on a card! This plugs inside the LC and with a 5.25 drive hooked on to the computer, it will emulate a //e. This we suppose is to woo all those who are using Apple II's in schools to move to this exciting new machine. What of those who have already moved to the IIgs, how are they going to be supported? There is now a wealth of software for the IIgs being used in schools!

I now interpret the smooth talk from Apple over the last year in a different way. The LC is their answer to Apple II support. They intend to kill the 'toy' Apple II off once and for all. How long before we see them do the same to the Macintosh?

Report by Ewen Wannop

ProSel Updates

Ken Dawson, our Beagle Buddy for the UK, has also been appointed the UK ProSel Resource Associate. Ken can now provide updates to owners of original ProSel 8 or ProSel 16 disks.

The cost of this service is either \$10 (in US bills) or £7.50. Call Ken for further details of the latest updates (currently we are at ProSel 16 V8.54), or send your original disk (with the money) to:

Ken Dawson
104 Pitt Lane
Warrington
Cheshire
WA1 3HN
Tel: (056) 4114 5074

Ken has asked me to say that there have been no TimeOut updates since June.

If you want to send an SAE to Ken he will send you a directory listing of the current disks so you can check version numbers.

AppleWorks HotLine

John Richey is now running the AppleWorks hotline. If you have an AppleWorks problem of any kind, ring John on 0252-723993 (voice) or 0252-727078 (voice/modem). Alternatively, you can contact him via Compuserve, ID 10006, 1037.

If you wish to write to John directly, mark your letter for his attention and mail to:

John Richey,
c/o Apple2000,
PO Box 3,
Liverpool,
L21 8PY.

Apple-pie Order

Our apologies to all our members who have been worrying over how to solve the puzzle set in the October magazine — one vital clue was omitted, there was an error in the clue for 'N', and the multiplication symbol (*) was printed as 'Y'.

We hope that the following will make it easier for you to follow, and we have extended the deadline for receipt of your solutions to **31st December 1990**.

A	B	C	D	E	F
G					
H	J	K		L	
M			N		
P		Q	R	S	
T					

All the letters on the right hand side of the equations below represent different numbers which are all prime.

CLUES ACROSS

A = (k + g)²
G (reversed) = g² + d²
H = f * p
K = b + d
L = n * m
M = p² + k²
N = p² + l²
P = l + d
Q = g
S = a * i
T = (l + j)²

CLUES DOWN

A = (p + m)²
B = k + j
C = (p + b)²
D = p² + c²
E = b
F = (k + h)²
J = (p + l)²
L = l² + c²
Q = n * k
R = e

CompuServe UK Network

CompuServe has introduced two new network access paths, providing improved functionality and reliability for CompuServe members in the United Kingdom. UK customers living in London now have the convenience of using CompuServe's network. A London node is now available supporting 1200 and 2400 baud at MNP level 5.

UK customers living outside London now can connect through British Telecom's PSS Dialplus network. Access nodes on this network appear in more than 60 UK cities, and all support 300, 1200, and 2400 baud access at MNP level 5. Both network access methods are provided at a rate of \$9.50 per hour 24 hours a day, in addition to standard connect charges. GO EUROPHONES for a listing of all numbers and GO EUROLOG for detailed log-on instructions. UK customers accessing via the AT&T Iritel network are asked to begin using the PSS Dialplus network. Support for the AT&T Iritel network will be discontinued early next year.

Logon/Logoff Instructions

CompuServe UK Direct Connect

Accessing CompuServe over the CompuServe network incurs a communication surcharge in addition to applicable connect charges.

For a complete list of online charges GO EURORATES at any ! prompt. The CompuServe network is extending into Europe and currently provides direct access through London at 1200 and 2400 at MNP level 5.

To use the CompuServe network in London, establish a modem connection by dialling the access number 071 490 8881. Once connection has been established you must wait for 3-4 seconds (while the modems negotiate protocol). You must then press the "carriage return" key.

When successfully connected to CompuServe you will be prompted for "Host Name:". At this point enter the letters "CIS". You are then connected to the CompuServe Information Service and will receive the prompt for your "User ID:".

PSS DialPlus Logon from the UK

Accessing CompuServe over the PSS Dialplus network incurs a communications surcharge in addition to applicable connect charges. For a complete list of online charges GO EURORATES at any ! prompt.

PSS Dialplus is operated by British Telecom and provides access nodes in over 60 cities throughout the UK. All nodes support 300, 1200, and 2400 baud and MNP level 5.

To use PSS Dialplus, establish a modem connection by dialling the access number nearest you. Once the connection has been established there will be a brief delay before the network responds with the prompt: "To access Dialplus, type your password and press RETURN".

At this point you must enter the letters "UKCNS" followed by a carriage return. The network responds with the message "Calling UKCNS".

When successfully connected to CompuServe you will receive the message "Connected to UKCNS" before being prompted for "Host Name:".

At this point you must enter the letters "CIS". You are then connected to the CompuServe Information Service and receive the familiar prompt User ID:.

Logging off from CompuServe

When you are ready to log off the CompuServe/Forum Service, enter the word BYE or OFF at any ! prompt and disconnect/hang up your communications equipment. If you are at a : prompt, enter EXIT to return to a ! prompt, then enter OFF or BYE. Failure to enter BYE or OFF before disconnection may result in your connection with the Service being maintained and billed to you. After a period of time, normally no longer than 20 minutes, the Service will notice that you have disconnected and will drop your User ID number from the Service and stop your charges.

Connect rates

Connect charges are \$12.50 per hour, regardless of the baud rate used for accessing the service. Communication surcharges vary depending upon which network is used to access the service. See Communication Surcharges for more information.

Connect time is billed in one minute increments, (1 minute/session minimum) and can be reviewed by entering GO CHARGES at any ! prompt (updated charges appear within 48 hours).

Communication Surcharges (per hour)

CompuServe UK	\$ 9.50/hr
PSS Dialplus	\$ 9.50/hr
TelePac	\$ 9.50/hr
Datex-P	\$14.50/hr
InfoNet Europe	\$20.50/hr
Iritel	\$ 9.50/hr

Would You Believe It?

Jeremy Quinn sent us the extraordinary reply he got when he tried to E-Mail the Apple II developers at Cupertino. Remember he is developing on a IIgs and does not therefore expect to have a Macintosh.

He did not even get a reply to his question amongst all the assorted numbers and things. He later E-Mailed the Mac developers with the same question and got a reply from them without any problem!

Are Apple trying to tell us something for daring to develop on a IIgs?

Date: 26-Sep-90 17:10 EDT

From:

>INTERNET:DTSACKNWLG@AppleLink.Apple.COM

Subj: ACK-Post Resource

Sender: DTSACKNWLG@AppleLink.Apple.COM

Received: from apple.com by cheops.cis.ohio-state.edu (5.61-kk/5.900920)

id AA16835; Wed, 26 Sep 90 13:55:25 -0400

Received: from [90.1.0.10] by apple.com with SMTP (5.61/25-ee)

id AA20209; Wed, 26 Sep 90 10:55:19 -0700
for COMPUSERVE.COM!100016.560@cis.ohio-



state.edu Received: by goofy.apple.com (5.61/25-
eef)
Id AA27084; Wed, 26 Sep 90 10:43:27 -0700
for Message-Id:
<8354777@AppleLink.Apple.COM> Subject: ACK-
Post Resource To:
100016.560@COMPUSERVE.COM From:
DTS.ACKNWLG@AppleLink.Apple.COM (MAC Dev
Tech Sup) Date: 26 Sep 90 15:15 GMT

Dear Developer,
This letter is to acknowledge your inquiry, which we received on 9/23/90 at 10:06 AM. It is the policy of Developer Technical Support to respond to questions in the order in which they are received. As of today, the AVERAGE turnaround time for our EMails is five (5) working days. In your recent correspondence with Apple Developer Technical Support (DTS), we noticed that you did not use our QStack to submit your question. The QStack is a HyperCard stack designed by DTS that will help you to formulate your development questions in a way that will provide DTS with complete information on your problem and development environment.

Hopefully, this will enable us to resolve your question with greater speed.

Please keep in mind that although using the QStack is not yet mandatory, questions submitted with the QStack will be given higher priority than those submitted otherwise. The QStack is available on the Developer CD Series Volume IV, Discy Business, and also on AppleLink (path: Developer Services:Macintosh Developer Technical Support:QStack).

For future reference, you can find the current EMails turnaround time on the AppleLink via this path:

Developer Services: Macintosh Developer
Technical Support: MacDTS Average EMail
Turnaround

This document is posted for your convenience and is updated daily.

If in later correspondence you want to refer to the EMail for which this particular acknowledgement was generated, please include your unique tag number—09576—in the subject line of your message. It would also be useful for you to include the subject, what day it was sent, and your AppleLink address. We keep a record of every message, who responded to it, and when. Our records are _NOT_ sorted by AppleLink message numbers, so the item numbers assigned by the AppleLink system are not useful as reference points.

Thank you for your patience and cooperation.

Sincerely,

Developer Technical Support Apple Computer, Inc.

The content of your link dated:9/23/90 follows:
TO REPLY, use:

100016.560@CompuServe.COM@INTERNET#
Using the reply function in AppleLink does not work for gatewayed E-mail yet.

From: Jeremy Quinn

<100016.560@CompuServe.COM> Message-Id:
<900923122344 100016.560 CHC24-
2>@CompuServe.COM> To:
<MacDTS@AppleLink.Apple.com>
To: >Internet:MacDTS@AppleLink.Apple.com

Dear Sir/Madam,

I am writing an application for the Apple IIgs, that needs data from Macintosh Post Resources. Specifically, I want to extract PostScript fonts from LWFN files.

Could you tell me the format of the PostScript data in the LWFN file, or tell me where I can find that information. I have had a brief look through Inside Mac 1-5 (in the Library) and couldn't find it.

I know you are probably not very interested in Apple II applications, but Please reply to this message. Cheers

-=- Jeremy -=-

Selecting a IIgs Hard Drive

An Adventure in Buying a Disk

Having just survived the purchase of two SCSI hard drives for two family owned IIgs computers, I really wish someone had told me what I was getting into before I started. This is the story of my quest, I dedicate it to first time hard disk buyers and I hope it saves them the grief and expense I ran into.

The saga began with the release of Appleworks GS. Before that time, Appleworks Classic lived comfortably on a single 3.5 disk and basked luxuriously on two of them. We (my family's collective computer users) couldn't see any reason to own a hard drive. Life was good.

Along came AWGS and two things happened: use of the computer increased, and diskette flipping became an art form. I'm not here to comment on the relative merits of various software packages, but I do know there is a demand for the program and use of AW classic hasn't tapered off. Now trying to run AWGS on two 3.5 drives is just barely tolerable, but running AWGS on ONE 3.5 is not. The decision was made to upgrade both machines to hard drive status, and being non-corporate budgets were involved, money was an issue.

I decide on a Hard Drive

I expect this sounds familiar to many. Dollars dictated a 20 meg drive, and evaluations were collected on such fabled names as Vulcan, Sider, Innerdrive, Relax, and CMS. Specs were compared. Interfaces debated. Storage requirements estimated. Apple Computer's support for the II series was considered. Here are some of the final considerations:

1) Internal was preferred over external by reason of desklpace and ease of use.

2) Twenty megs were too small, given current software and one family member's interest in ultrares graphics. Forty to 45 megs became the number to consider.

3) Drive speed was entirely secondary to reliability. Repair services are not readily available locally, and speed is not a high priority for our current needs.

4) Apple's lacklustre support (diplomatic or what?) for the II series made the decision to go SCSI and external very easy. Someday we may be updating two computers, but we may want the flexibility of keeping two drives. Okay, throw out decision #1.

Now to find a Drive

Now the search began in earnest. The Compuserve forums were useful, especially the Mac forums... known experts on SCSI drives. SCSI is SCSI, right? The real advantage was in the MagDex database searches. Now we have real background information to go on.

Checking with local Alberta suppliers I found a 40 to 45 meg drive with Apple SCSI card markets for \$850 to \$950 dollars. The problem isn't the Canuck Buck as much as a dinosaur of a retail marketing system. So... let's look stateside.

An add in Publish magazine led me to give Ehman a call for prices and specs. It looked alright, too. Seagate components, Apple SCSI specs, affordable and includes cables. Price for 45 meg?... \$399 US or \$470 CDN. Add \$20 shipping and 13.5% government extortion - that give us about \$560 landed in my home town each. The day I called Ehman I found they had 60 meg drives on sale for the same price as the 45s. I ordered two. (Sixty meg drives in Canada are over \$1000.)

Next challenge was to buy a SCSI card. Which card? Apple of course. I want compatibility... I may want a CD-Rom tomorrow. Speed isn't a criteria... quality is. Best price... my local apple dealer (with dickering) came across. The cards were ordered within half an hour of the drives. You may be interested the drives came across an international boundary, through customs and arrived 6 days before the interface cards. Thanks Apple!

Setting up the Drive

Set up of the drive and interface was easy, both manuals agreed on procedures. The drive was formatted and partitioned with Apples High-Speed utilities. Then I asked it to verify. The program quit counting at 33 bad block errors on the first partition alone. Okay, I'll reformat. Next verify is better, only 9 errors on the first partition. Format again, 23 errors. I hook up the second drive... same results, too many errors. In all I tried Apple's utilities, the Apple Advanced disk utility, Copy II plus, Finder and every format utility on Compuserve. Those that worked left me errors, those that didn't gave bland numeric error messages like #27. Oh good!

For help I turn to Apple Computer, Compuserve, and Ehman. Ehman didn't have any idea what might be wrong, but they were willing to ship two more drives to me immediately. I asked them to wait a few days while I did more checking, they agreed.

Compuserve forum members offered assistance before Apple would return a phone call. My thanks to many, especially Gary Utter, Loren Damewood and Marc Rendino. The consensus was something called Terminator Power. Sounds like a fan club for Schwarzenegger movies, doesn't it. So I borrow a Mac Plus and format the drives. After testing, both

Ehman drives function perfectly, 100%. Awesome. I carefully take the newly formatted drives home, connect them to the Apple High-Speed SCSI cards and am told the drives are faulty and have 7 million bad blocks.

Terminator power is a 5 volt charge supplied by the SCSI interface to the bus... at least it is in Mac, IBM, and other SCSI interfaces. It was, I'm told, also supplied by the old Apple SCSI card as well. It is NOT supplied by the new Apple High-Speed SCSI card, and when mated to a Mac type hard disk acts "erratically". I can vouch for "erratically". Now that I know what questions to ask, I'm told that about 2/3rds of SCSI drives demand terminator power from the computer and won't work with Apple's card.

RamFAST the saviour

The answer, and you probably saw it in the forum messages already is to go to a RamFAST card from CV Tech. I know of only one supplier of this card in Canada, Dandam Software, and after listening to 20 minutes of horror stories of other people's experiences connecting Mac drives to Apple High-speed cards, they say "Don't believe us... Ask the manufacturer." I talked to Andrew at CV Tech and then ordered two of his cards from Dandam.

With terminal power enabled I find I have the two sweetest little hard drives I've ever used. You've heard the story, now you get my capsule review of the equipment. First let me say that I paid full list for the RamFAST cards and that these are my opinions, not advertising.

The RamFAST SCSI card is about as easy to install as Apple's, but the box it came in isn't near as fancy. It's also nearly twice the price. That's the down side. On the up side, IT WORKS and the Apple card didn't. If that isn't endorsement enough, RamFAST has a better manual and better utilities plus it's own GS/OS drivers. I've seen a lot of comments in the messages section on how fast it is, but I can't fairly comment because I never did get Apple's card to work well enough to compare. I can say it does run a close second to my RamKeeper ROM disk. If you're out there Andrew, consider this an unpaid endorsement!

Now to pick on Ehman. They lived up to their reviews in the magazines. My new drives are nicely designed, solid, and color co-ordinated. While they didn't know much about the IIGs, their service department is co-operative, fast and willing to help where they can. They also extended my 30 day money back guarantee to allow me to order two new interface cards when testing the drives. They also requested any information I discover be passed along to them for their development department, and to help other IIGs owners. Do I think they'll take my suggestions to heart? Yes, I do.

For the economists out there, my Ehman drive cost me \$557 CDN, and the RamFAST card cost \$258 CDN at my door. That is \$815 for a 60 meg drive, compared to \$850+ for 45 meg locally. One other price to consider. Being out of country, I doubt that I have any real kind of warranty on this equipment. I think I can live with it, you would have to decide for yourself. I hope this is of value, a layman's comments in layman's terms. ... Doug Walkey 74370,2271



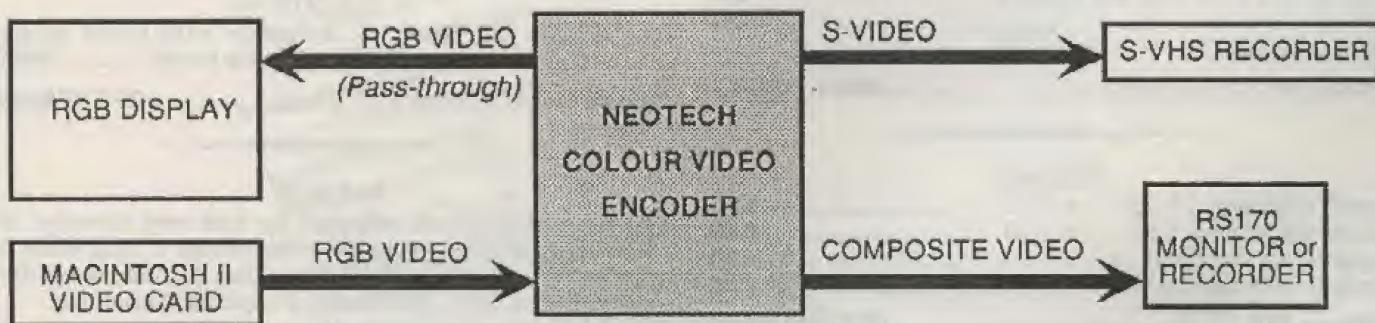
Neotech Colour Video Encoder

Flexible Video output from Apple Macintosh II computers to standard video equipment



For users of the Apple Macintosh in a multimedia environment, the Neotech Colour Video Encoder provides all of the necessary sources for output to standard video recorders and monitors. The Neotech Colour Video Encoder offers the ability to attach video equipment that accepts composite, S-Video or RGB signals to a Macintosh II family computer equipped with a video card such as the Apple Macintosh Display Card 8×24 or Radius DirectColor/GX. These cards optionally generate interlaced RGB output, which can be encoded by the Neotech unit to provide the appropriate signals.

The Neotech Colour Video Encoder converts interlaced RGB output from the Macintosh, in NTSC or PAL format, to provide a high quality graphics interface with standard video systems. Up to three video devices can be connected at one time, for simultaneous operation and viewing: the Encoder requires no special configuration. A direct 'pass-through' connector enables any Macintosh display, or a 'multi-sync' monitor, to be attached for general operation in any display mode. The block diagram below shows how typical devices may be connected in an example multimedia system.



- Accepts interlaced RGB video input according to PAL or NTSC standards (factory option)
- Provides three types of interlaced video output signal (RGB as pass-through):
 - RGB (separate sync or sync on green)
 - S-Video (Y/C for S-VHS systems)
 - Composite Video (RS170)
- Supports connection of multiple video devices operating concurrently
- Pass-through feature allows any display to be used when signal conversion is not required
- Operates with Macintosh display cards such as Apple's 8×24 and Radius' DirectColor/GX
- Simple installation using standard Apple video cable and industry standard connectors
- Transparent operation, requiring no hardware switches or software configuration
- Low power consumption, from supplied 9V mains adaptor
- Compact design, measuring 150 x 118 x 36 mm (6.1 x 4.6 x 1.4 in) overall.

All enquiries about this product to UK distributor Computers Unlimited (Tel 081-200-8282)

Neotech Limited

Fryern House • 125 Winchester Road • Chandlers Ford • Eastleigh • Hampshire SO5 2DR • England
Telephone: +44-703-270200 • fax: +44-703-270166

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Members' Small Adverts are FREE.
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disk, in Mac or Apple II text format.
We will return the disk, of course.
This saves us time, and avoids errors.

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disk, in Mac or Apple II text format.
We will return the disk, of course.
This saves us time, and avoids errors.

**WARNING: The sale of copied or pirated software is illegal.
Please ensure that items offered for sale are new or re-registered.**

FOR SALE

Enhanced //e with two 5.25 disk drives, RGB monitor and card £300
'Phone Mike 0151 834 2322

FOR SALE

Cirtech PlusDisk populated to 832k £250
Cirtech PlusRam 1mb card £85
Apple Modem 1200/75 and 300/300 £95
MacInker with small supply ink £25
Half height 140k 5.25" drive for Apple II's £35
Cirtech SCSI card £25
4 way Mini 8 pin plug switch box £20
MD Ideas audio digitiser card to go with SuperSonic audio card £15
Mean 18 Golf for the IIgs £10
Music Construction Set for IIgs £10
IIgs PinPoint Starter Kit £15
PaintWorks Plus Clip Art Gallery £6
PinPoint Toolkit £10
Offers welcomed

'Phone Paul (evenings) 0151 834 2322

FOR SALE

Apple Disk Drive 5.25" — NEW £75
Apple Disk Drive 5.25" — USED £50
Apple Disk Controller Card £20
Cirtech 64K 80-Col. Card for //e, inc. manual £25

'Phone Bill 0151 834 2322

FOR SALE

for Apple //e or IIgs or Macintosh.
1) PACE Colour Palette Teletext card (for high-res viewdata graphics) £75
2) Citizen (model: MSP-15) 120 Column Parallel/serial Dot-Matrix Printer £85
3) Apple IIgs internal power supply unit reasonable offers considered
4) Omnis 2 Program (database - 5.25" disks) £50
5) Inmac //e work station (in beige steel) (especially design to sit on top of //e to hold disk drives, modem etc., and monitor on the top) £15
6) Micron Xceed 2MB Memory Expansion Kit for Mac II SE/Plus, as new with instructions and 5 year warranty
reasonable offers considered
7) WordStar Wordprocessing Program with manual for //e £50
8) Teak Disk Box Containing 100 Apple //e disks (5.25") [mixed games, database, spreadsheets, graphics, and wordprocessing programs]. Came with previously owned Apple //e when bought and accumulated over 8 years £80

N.B: (a) Will consider reasonable offers for all the above bought together

(b) Will seriously consider exchange for commensurate value of any items above either "Thunderscan"; or Copy II Plus Version 8+; 3.5" Disk Drive; Macintosh to IIgs Files conversion program (with instructions); Graphic Tablet program(s).

'Phone Gordon (after 6.30pm Mon-Fri) 0151 834 2322



Apple Slices is a bi-monthly Newsletter published by Apple2000 as a service to its members.
Apple2000, P.O. Box 3, Liverpool, L21 8PY. Tel: 0151 834 2322 Fax: 0151 834 2322

WANTED

Apple //e.
Part exchange Apple II+ and cash.
'Phone Trevor Francis (office hrs) 0151 834 2322

FOR SALE

Apple //e system with extended memory, complete with Apple II monitor, Amdex Colour 1 plus monitor, two 5.25" disk drives, 80 col card, ImageWriter printer, System saver, mouse + Apple Mouse Card, two joysticks, two paddles, two Super Serial cards, eprom burner and Z80 card (+64K).

American configuration system with transformer.
LOTS of software, blank disks, manuals £600ono

'Phone Kerri (evenings) 0151 834 2322

FOR SALE

ImageWriter LQ printer — complete with sheet feeder, spare ribbons, manual and reference book £650

'Phone Gordon Dyas 0151 834 2322

FOR SALE

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9. AppleSoft Basic Programming Ref. Manual £5

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11. The Power of Supercalc 2nd Edition £4

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All items plus postage

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Macintosh Classic 1/Fl Integral computer with 8mhz 68000 processor, 1mb memory, 1.44mb SuperDrive™, keyboard and mouse.	£575
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Macintosh 12" Monochrome Monitor New paper white monitor	£140
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Internal Keyboard and Trackball, Internal 1.44Mb SuperDrive,
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Discontinued

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Macintosh SE/30 HD 2/40
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Macintosh IIcl HD 4/80
Macintosh IIcl HD 5/80
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Igs system with RGB monitor,
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Each Macintosh comes with HyperCard and System Software.

All prices are suggested retail prices and exclude VAT. Discounts are usually negotiable on package deals. Check prices with your dealer.

November 1990

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

December 1990

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

January 1991

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			